Jeffrey Miller, Ph.D.

Former Dean, College of Engineering and Computational Sciences
Professor of Computer Science
Southern Utah University
jmiller@sigmacoding.com 213-359-6856

Curriculum Vitae Table of Contents

Education History 2
Employment History 3
- Academic Employment History 3
- Industry Employment History 11
- Volunteer Experience 14
- Expert Witness Service 15
- Professional Course Development 22

Honors and Awards 23
- Honors and Awards Received 23
- Honors and Awards Received by Students Advised 23

Research and Project Funding Received 25
- Education-Based Funding Received 25
- Non-Education-Based Funding Received 28

Publications 29
- Peer-Reviewed Journal Publications 29
- Peer-Reviewed Conference Publications 29
- Lab Manual 31
- Book Technical Content Consultant 31
- Other Publications 31
- Patents Held 33
- Select Publicity and Articles Including Quotations from Me 33

Teaching 42

Mentoring 48
- Faculty 48
- Ph.D. Student (external member) 48
- K12 Teachers 48
- Teaching Assistants 48
- Master's Students 51
- Undergraduate Students 51
- Recommendations Provided (335 total) 52

Professional Service 55
- Professional Affiliations 55
- Journal and Conference Publication Service 55
- Conference Service 56
- Conferences Attended 58
- NSF Grant Reviewer 59

Presentations 60

PAYRANGE - EXHIBIT 2009
Alliance Laundry v. PayRange
PGR2025-00028

Education History

- **Ph.D. in Computer Science, August 2007**
  University of Southern California
  - Successfully defended dissertation on April 27, 2007, with topic "Algorithms and Data Structures for the Real-Time Processing of Traffic Data" under the advisement of Professor Ellis Horowitz, Professor Petros Ioannou, and Professor Ming-Deh Huang. ISBN: 978-0-549-30120-2
    https://www.proquest.com/openview/a88dd85abb94187f0d1e41d808f98af9/1?pq-origsite=gscholar&cbl=18750

- **Master of Science in Computer Science, December 2002**
  University of Southern California
  - Emphasis in Systems and Software Engineering

- **Bachelor of Science in Computer Engineering and Computer Science, May 2002**
  University of Southern California
  - Graduated cum laude

Employment History

Academic Employment History

Dean, College of Engineering and Computational Sciences, July 2022-June 2025
Professor with tenure, Computer Science, July 2022-present (on leave for 2025/2026)
Southern Utah University – Cedar City, Utah, July 2022-present

Note that the Utah legislature formally approved removing the College of Engineering and Computational Sciences from Southern Utah University on September 25, 2025, so my position as dean was terminated.

- Administrative

Academic Year	*2021/2022*	2022/2023	2023/2024	2024/2025
# Major Students	*1,456*	1,522	1,634	1,738
# Seats Filled	*15,074*	15,801	17,472	18,250
# Student Credit Hours	*46,287*	48,678	54,253	57,360
# New Faculty	*3*	6	8	8
# Promoted Faculty	*1*	3	3	6
# Academic Programs	*45*	46	48	76
# AS, BS, MS Degrees Earned	*188*	241	267	270
# Proposals / # Grants Received	*7/2*	20/5	18/7	16/5*
Grant Funding Received	*$31,250*	$458,990	$885,458	$945,163*
Fundraising	*$159k*	$1.7M	$1.4M	$10M**

** 7 additional proposals total $2.6M are pending notification*
*** Includes anonymous pledges for new engineering building*

NOTE: I started as the Dean at SUU at the start of the 2022/2023 academic year. The 2021/2022 numbers are prior to my employment at SUU.

- Responsible for all operations of the College of Engineering and Computational Sciences, consisting of 60 full-time faculty, 1,700 major students, 76 academic programs (31 certificates, 10 Associate degrees, 9 minors, 22 Bachelor degrees, 4 Master degrees)
- Number of students majoring in degree programs in the College increased 19.4% since I started
- Number of students taking classes in the College increased 21.1% since I started
- Hired 22 new faculty in three years (36.7% increase) while losing only two, giving a 97% retention rate
- Oversaw the promotion of 14 faculty to advanced ranks
- Construction Management achieved full six-year ABET accreditation in 2022/2023, and Civil Engineering achieved full six-year ABET accreditation in 2023/2024
- Departments and programs within the College
  - Aviation (*Aviation Maintenance Technician, Aviation Administration and Leadership, Fixed-Wing Pilot, Rotor-Wing Pilot*)
  - Computer Science and Cybersecurity (*Computer Science, Information Systems, Cybersecurity, Financial Technology, Software Development, Artificial Intelligence and Machine Learning*)
  - Engineering (*Civil Engineering, Electrical Engineering, Mechanical Engineering, Construction Management, and Engineering Technology*)
  - Mathematics (*Theoretical Mathematics, Mathematics Education, Data Science*)
- Facilitated the college convocation ceremony annually
- Managed $10M annual budget
- Increased the number of graduates by 79 in two years, which is a 42% increase

    - Increased the number of programs offered from 45 to 76 in three years (a 68.9% increase), including Bachelor's degree programs in Data Science, Financial Technology, Electrical Engineering, and Software Development, and Master's degree programs in Computer Science, Software Development, and Artificial Intelligence and Machine Learning
    - Created a College Industry Advisory Board with leaders from local and national companies who hire SUU alumni and have an interest in the success of our programs
- Research
    - Principle Investigator for Department of Labor Closing the Skills Gap Grant entitled "Building Apprenticeship Systems in Cybersecurity," jointly working with five other institutions in the northwest United States to train 3200 cybersecurity apprentices. Total funding of $5,766,971
    - Co-Principle Investigator for National Science Foundation Enabling Partnerships to Increase Innovation Capacity (EPIIC) Grant entitled, "Fostering Unity and Teamwork for Rural Excellence (FUTURE)," jointly working with two other institutions (Athens State University and Georgia College & State University). Total funding of $375,000
- Teaching
    - Computer Science Capstone Project (CS 4800)
    - Insights with Industry Experts (AVTN 4700, CSCY 4850, ENGR 4900, MATH 4700, ME 4900, TECH 4900)
- Service
    - New Engineering Building Committee Chair, 2023-present
    - SUU Strategic Enrollment Planning Committee, 2023-2024
    - SUU STEM Advisory Board, 2022-present
    - President's Leadership Council, 2022-present
    - Director of Development Search Committee Member, 2024
    - College of Engineering and Computational Sciences Business Manager Search Committee Chair, 2023, 2024
    - College of Engineering and Computational Sciences Retention and Recruitment Coordinator Search Committee Chair, 2023
    - Utah System of Higher Education (USHE) New Leadership Academy (NLA) for Senior Leaders, 2022-2023
- Professional Development
    - Protect Youth Sports Child Sexual Abuse Prevention Training, May 22, 2025
    - CITI Program Responsible Conduct of Research for Administrators, December 11, 2024
    - Cybersecurity, November 28, 2024
    - Freedom of Speech, Academic Freedom, and Political Advocacy, November 28, 2024
    - Active Shooter Module, August 5, 2024
    - Abusive Conduct Training, August 5, 2024
    - Federal Work Study 2024-2025, July 10, 2024
    - Title IX and Sexual Harassment Prevention for Employees, July 3, 2024
    - General Ethics in the Workplace, July 3, 2024
    - FERPA: Confidentiality of Records, July 2, 2024
    - Preventing Child Abuse: Keeping Kids Safe, May 31, 2024
    - Preventing Child Abuse: A Guide for Adults Working with Youth, May 31, 2024
    - Campus Security Authorities: Roles and Responsibilities, February 5, 2024
    - Family Educational Rights and Privacy Act (FERPA), August 28, 2023
    - Title IX and Sexual Harassment Prevention for Employees, July 23, 2023
    - Preventing Child Abuse: Keeping Kids Safe, Prevent Child Abuse Utah, May 4, 2023
    - Campus Security Authorities: Roles and Responsibilities, February 4, 2023
    - Ministry Safe Child Sexual Abuse Awareness Training, November 21, 2022
    - SUU Legal Issues Seminar for University Leaders, November 15, 2022
    - Title IX and Sexual Harassment, May 28, 2022
    - Title IX and Sexual Harassment Prevention for Employees, May 28, 2022
    - Family Educational Rights and Privacy Act (FERPA), July 7, 2022

Professor of Computer Science and Information Technology Practice, May 2020-June 2023
Department Chair, Information Technology Program, July 2019-June 2022
Associate Professor of Computer Science Practice, August 2013-May 2020
Associate Professor of Information Technology Practice, July 2019-May 2020
University of Southern California – Los Angeles, California, August 2013-June 2023

- Research in K12 STEM education, undergraduate and graduate computer science education, and intelligent transportation systems
- Administrative

Academic Year	*2018/2019*	2019/2020	2020/2021	2021/2022
# Students	*4,233*	4,683	5,529	6,549
# Student Credit Hours	*11,388*	14,073	16,648	20,320
# New Faculty/Staff	*0*	2	3	2
# Promoted Faculty	*1*	3	3	2
# Academic Programs	*12*	13	15	17

NOTE: I started as the Chair at the start of the 2019/2020 academic year. The 2018/2019 numbers are prior to that.

- Department Chair, Information Technology Program, July 2019-June 2022 (http://itp.usc.edu)
  - Responsible for overall operation, budget, curriculum, and administration of the program consisting of 18 full-time faculty, 30 part-time faculty, 5 full-time staff, over 200 student workers each semester, 17 degree-granting minor programs, and 2 degree-granting interdisciplinary major programs
  - Supported seven full-time and one part-time faculty members in getting promoted to subsequent ranks in three years
  - Communicated with the dean's office on new initiatives, faculty concerns, new programs, curriculum, budget, and other administrative issues
  - Managed $5M annual budget
  - Increased the number of students to 4,700 and the student credit hours to over 14,000 (23.6%) in my first year and another 28% increase in second year
  - Increased the number of faculty by more than 25%
  - Oversaw project proposal (ITP Lasting Impact Project) process to distribute $250k to projects that would have long-term effects on ITP constituents
  - Added five new minors – Cloud Computing, Technical Game Art, Education and Computing, Applied Artificial Intelligence, and Law and Technology
  - Hired three additional staff members – a second student services advisor to help support over 2,000 students each semester, a faculty affairs coordinator, and an administrative assistant
  - Instituted automated application and hiring process for class TAs, for which we hire over 200 per semester
  - Coordinated the design and move to a new building to centralize the staff and faculty
  - Led all faculty retreats and meetings throughout the academic year and coordinated social activities for the program staff, faculty, and students
  - Participated in monthly department chair meetings with the dean
- Founding Director, CS@SC Camps, 2015-present (http://summercamps.usc.edu)
  - The CS@SC Camps have exposed over 7,500 K12 students to computer science and robotics between 2015-2022
  - In 2019, there were over 1,000 students who attended the week-long program.
  - In 2020, we transitioned to fully remote camp sessions for 10 weeks and had over 1,300 K12 students attend.
  - In 2021, we had over 1,500 students attend remote camps and began offering in-person campus again
  - In 2022, we had over 2,000 students attend remote and in-person camps
  - I have raised nearly $1M for the camps since 2015 and am responsible for the budget.

- Over 100 USC students have been hired as TAs for the program.
- The camps operate year-round since 2018 with fall, spring, and summer sessions.
- Events (other than the camps)
  - Incorporating Computer Science in K8 Curricula. *Calvary Christian Retreat*, Malibu, California, USA, October 9, 2015
  - CS@SC Summer Camp Reunion, STEM Spotlight on the Department of Computer Science, November 3, 2015
  - Hour of Code for CS@SC Summer Camp Applicants, December 7, 2015
  - CS@SC Summer Camp Fundraiser, Rancho Santa Fe, California, January 23, 2016
  - Viterbi Alumni Spotlight Series Panelist, February 18, 2016
  - CS@SC Summer Camps Kickoff Event, April 14, 2016
  - CS@SC HackSC Jr., November 20, 2016, March 31, 2018
  - CS@SC Hour of Code, December 7, 2016
  - Panelist, Creating a USC K-12 Ecosystem to Advance Diversity, Equity, and Inclusion, January 18, 2019
  - Panelist, Motivating Students to Get Involved in STEM, along with Megan Smith, Coach Kathy Kemper, and Derek Richardson, August 7, 2021
  - CS@SC Awards Ceremony, August 7, 2021

- Teaching
  - Courses Taught
    - Introduction to Python Programming (ITP 115)
    - Accelerated Programming in Python (ITP 116)
    - Introduction to Programming (CSCI 103L)
    - Principles of Software Development (CSCI 201L)
    - Capstone: Design and Construction of Large Software Systems (CSCI 401/477ab)
    - Directed Research (CSCI 490)
    - Analysis of Algorithms (CSCI 570)
  - Courses Authored
    - Capstone: Design and Construction of Large Software Systems (CSCI 401)
    - Applied Python (ITP 216)
- Service

  <u>Computer Science Department Service</u>
  - ABET Point-of-Contact, 2014-present
    - 6-year accreditation received in spring 2016 for Computer Engineering/Computer Science (CECS) and Computer Science (CSCI) programs
    - Accreditation visit occurred in fall 2021
  - Scholarship Interviewer for First Year Students, 2021
  - Computer Science Teaching Faculty Reappointment Committee, 2021, 2022
  - CSCI 201 Fall 2019 Improvement Committee, fall 2019
  - Computer Science Teaching Faculty Monthly Meeting Coordinator, 2014-2018
  - Computer Science Industry Affiliate Committee Member, 2017
  - Computer Science Teaching Faculty Promotion Committee, 2015, 2016, 2017
  - Computer Science Annual Retreat Teaching Faculty Breakout Leader, 2014- 2016
  - Computer Science Annual Retreat Panelist on 3-unit to 4-unit conversion, 2016
  - Computer Science Annual Retreat Presenter on Outreach in Computer Science, 2016
  - Computer Science Department Admit Calling Campaign Committee, 2016, 2018
  - Faculty Advisor, Upsilon Pi Epsilon Computer Science Honor Society, 2014
  - Computer Science Faculty Voting Sub-Committee, 2015
  - Computer Science Teaching Faculty Annual Evaluation Committee, 2015
  - Computer Science Teaching Faculty Hiring Committee, 2014, 2015, 2016, 2018
  - Computer Science Teaching Faculty Promotion Committee, 2015, 2016
  - USC Computer Science Department Retreat, September 20-21, 2014
  - USC ACM Professor Luncheon Series, October 19, 2016
  - Computer Science Joint Appointment Committee, October 2016.
  - Hosted Guest Lecturer Richard Anfang, Wall Street CIO, March 10, 2017.

Viterbi School of Engineering Service

- Viterbi Undergraduate Scholarship Committee, 2021
- Code for Christ Student Group Advisor, 2019-present
- Viterbi Chief Technology Officer Search Committee, 2019-2020
- USC VexU Robotics Team Advisor, 2014-present
  - VexU World Qualifying Team, 2016, 2018, 2019, 2022
  - VexU Excellence Award Winner at World Competition, 2019
- igniteCS Student Group Advisor, 2017-present
- HackSC Student Group Advisor, 2017-present
- HackSC Jr. Student Group Advisor, 2017-present
- Division of Engineering Education Committee Member, 2015-2017
- Division of Engineering Continuous Improvement Committee, 2015-2017
- Viterbi Undergraduate Experience Retreat, August 12, 2016
- ITP Teaching Faculty Promotion Committee, 2016
- ITP Teaching Faculty Hiring Outside Reviewer, 2017, 2018
- Fall 2015 Academic Career Mentoring Panel, October 28, 2015
- University Trojan Family Weekend – Viterbi Breakfast with the Dean, October 23, 2015
- Mentor, Viterbi Student-Alumni Mentoring Program (VSAMP), 2015-2016
- Master's Degree Early Start Welcome Lunch, July 9, 2015
- Viterbi Robotics Open House VexU Showcase, April 7, 2015, April 14, 2016, April 7, 2017
- Explore USC, Parent Luncheon, April 11, 2019, February 20, 2020, February 27, 2020
- Explore USC, On-Campus Admitted Student Reception, April 26, 2014, April 9, 2015, February 27, 2020
- Viterbi Capstone and Senior Design Retreat Speaker, August 18, 2015.

Outside Service

- Please see Professional Services section below.
- Teaching Faculty Promotion Committee, Dr. Keith Redmill, The Ohio State University, 2017.

- Professional Development
  - Information Security 101, November 17, 2021
  - Harassment Prevention for Managers, October 20, 2021
  - Health, Hygiene, and Safety for Employees, August 13, 2021
  - Workday: Invoices and Payments for Payment Voucher Initiators, July 9, 2021
  - Workday: Requisitions, July 9, 2021
  - Workday: Procurement Card Transaction Verification, July 6, 2021
  - Workday Financial Management Overview, Parts 1 and 2, July 5, 2021
  - Health, Hygiene, and Safety for Employees, July 16, 2020.
  - TrojanSecure Lyceum: Information Security 101 (COVID-19), May 11, 2020.
  - Mandated Reporter/Protecting Minors, April 10, 2020.
  - Wage and Hour Policy Training, November 26, 2019.
  - Corporate Cards: Procurement Cardholders, November 12, 2019.
  - Harassment Prevention for Managers, October 19, 2019.
  - USC eMarket: Shopping and Requisitions, July 31, 2019.
  - USC eMarket: Requisition Approvals, July 30, 2019.
  - USC eMarket: Invoice Exception Approvals, July 30, 2019.
  - Minor Training Courses – Duty to Report Mandated Reporter, It Happened to Me, Meet Sam, June 14-15, 2019.
  - Minor Training Courses – Duty to Report Mandated Reporter, It Happened to Me, Meet Sam, May 26, 2018.
  - Harassment Prevention and Campus Sexual Violence Elimination Act (SaVE) Training, October 9, 2017.
  - CSforAll Inland Summit, Riverside, California, December 7, 2016.
  - Course Design for Student Success: Minimizing Cheating, USC Center for Excellence in Teaching, November 11, 2016.

- USC SANS Securing Human Awareness Training, USC's Online Cybersecurity Training, March 24, 2016.
- USC Center for Excellence in Teaching Faculty Forum, "Effective Group Work," October 30, 2015.
- Harassment Prevention and Campus Sexual Violence Elimination Act (SaVE) Training, June 29, 2015.
- United Educators SM-101-H How Teachers and Other Educators Can Protect Our Children – Higher Ed Version, April 28, 2015.
- United Educators SM-201 A Manager's Guide to Prevention and Response, April 28, 2015.
- Engaged Learning Retreat, USC Viterbi School of Engineering Division of Engineering Education, August 21, 2014.
- Improve Your Teaching Effectiveness – Flipping the Classroom, Mark Redekopp, January 24, 2014.

Department Chair, Engineering Department (Computer, Electrical, and Mechanical Engineering), February 2011-November 2011
Associate Professor with tenure, Computer Science and Engineering, July 2011-August 2013
Assistant Professor, Computer Systems Engineering, August 2007-June 2011
University of Alaska Anchorage – Anchorage, Alaska, August 2007-August 2013

- Teaching
  - Courses Taught
    - Programming in Java (CS110)
    - Introduction to Computer Systems (CSE102)
    - Introduction to C Programming for Engineers (CSE294A/205) – online and traditional
    - Object-Oriented C++ Programming for Engineers (CSE 294B/215)
    - Engineering Systems Administration (CSE394B)
    - Digital Circuits Design (CSE342/394D)
    - Computer Networking for Engineers (CSE394F/355)
    - Design of Computer Systems Engineering (CSE438)
    - VLSI Circuit Design (CSE442)
    - Network Security (CSE465/CSCE465) – online and traditional
    - Independent Study (CSE497)
    - Elements of Electrical Engineering (ES309)
  - Authored introduction to computer systems, introductory programming, object-oriented programming, systems administration, digital circuits, computer networking, operating systems, FPGA, and VLSI classes for engineering students focused on applied applications in various engineering disciplines
- Administrative
  - Founding Director, Engineering Summer Academies, 2010-2013
    - The Engineering Summer Academies exposed over 1,200 K12 students to, engineering, computer science, and robotics between 2010-2013
    - In 2010, there were over 100 students who attended the week-long program.
    - In 2013, there were over 500 students who attended the week-long program, spread over five weeks
- Service
  - Led Computer Systems Engineering department as point-of-contact in preparing ABET documents for securing accreditation, which we received in 2008, 2010, and 2012
  - IEEEXtreme Programming Competition Proctor for UAA programming teams in 2012
  - Started and facilitated Faculty Research Series where each faculty member in the engineering school presents research to the rest of the faculty during the semester, 2009
  - Hosted Prof. Javier Sanchez Medina from Canary Islands giving a talk on ITS technologies in September 2012.
  - Hosted Prof. Mohan Trivedi from UC San Diego giving a talk on ITS technologies, 2012.
  - Hosted Alaska Department of Transportation 511 Training Event in March 2010
  - Hosted Apple iPhone Development Training Event in April 2010

- Coordinated end-of-semester Engineering Competition for all School of Engineering students in December 2010
- University and School of Engineering Committees
    - School of Engineering Executive Committee, August 2011-November 2011
    - School of Engineering Facilities Committee Chair, August 2011-November 2011, responsible for being the point-of-contact for the school on a new building and space usage in existing facilities
    - Chair of School of Engineering Web Site Steering Committee, 2009-2013
    - Computer Systems Engineering Advising Committee, 2007-2013
    - Computer Systems Engineering Equipment Committee, 2007-2011
    - School of Engineering Computer Committee, 2007-2011
    - Computer Systems and Electrical Engineering Faculty Search Committee, 2008
    - Computer Systems and Electrical Engineering Faculty Search Committee, 2009
    - United Academic Board Academic Computing Distance Learning and Instructional Technology Committee, 2008-2009
    - United Academic Board General Education Requirements Committee, 2008-2009
    - Institutional Learning Outcomes and Assessment Task Force, 2008-2009
    - Research, Scholarship, and Creative Activity Review and Evaluation Team, 2010
    - Chair of Computer Science and Engineering Promotion and Tenure Guidelines Committee, 2013
    - Computer Science and Engineering Outstanding Graduate Award Committee, 2013

Online Adjunct Professor, Information Technology Program
American Public/Military University System – December 2009-August 2013

- Teaching
    - Facilitated online education for APUS/AMUS (mostly active or retired military) students around the world
    - Courses Taught
        - Application Development (ENTD 411)
        - Systems Engineering (ENTD 412)
        - Enterprise Development using ASP.NET (ENTD 462)
        - Enterprise Development using C# (ENTD 463)
        - Enterprise Development using .NET (ENTD 464)
        - Enterprise Development using J2EE (ENTD 481)
        - Relational Database Concepts (INFO 221)
        - Local Area Network Technologies (ISSC 340)
        - Introduction to Networking (ISSC 341)

Adjunct Professor, Department of Computer Science
California State University, Los Angeles – Los Angeles, California, February 2002-August 2007

- Teaching
    - Courses Taught
        - Introduction to Web Site Development (CS120)
        - Introduction to SQL and Databases (CS122)
        - Introduction to Programming (CS201)
        - Introduction to Object-Oriented Programming (CS202)
        - Programming with Data Structures (CS203)
        - C Programming (CS242)
        - Computer Ethics in the Information Age (CS301)
        - Algorithm Design and Analysis (CS312)
        - Web and Internet Programming (CS320)
        - Introduction to Automata Theory (CS386)
        - Java for C++ Programmers (CS454 – Special Topics)
        - Enterprise Architecture (CS454 – Special Topics, now CS420)
        - Compilers (CS488)
        - Undergraduate Computer Science Wrap-Up Course (CS490)

- Directed Study (CS499)
  - Led a team of undergraduate students in directed research (CS499) in the design and implementation of a compiler project to be used for the programs in the compiler class (CS488)
  - Aided in preparing course documents for ABET accreditation in 2006
  - Voted 2002 Professor of the Year by the students in the Computer Science department – 1st adjunct lecturer ever to be given this award
  - Authored CS420 class on enterprise web architecture, covering RMI, CORBA, Web Services, and different MVC architectures, including Spring and Struts

Industry Employment History

Pastor-in-Training
Red Hills Southern Baptist Church – Cedar City, Utah, July 2025-present

- Mentored by Senior Pastor and other pastors in all church activities
- Prepared and delivered sermons, communion, and men's and coed ministry lessons
- Organized and oversaw weekly in-home groups, women's ministries, and coed ministries
- Assisted Senior Pastor with administrative tasks, including managing Planning Center, background checks, online tithes and offerings, meeting with congregants, and other items as needed
- Led team in delivering weekly announcements during Sunday worship services
- Sermons
  - Life with God's People (Red Hills Southern Baptist Church), August 31, 2025
    - https://www.youtube.com/live/aInKMxyRDvQ
  - John 14:22-31 (Berean Baptist Church), September 28, 2025
    - https://www.youtube.com/live/3rZK00kWkf4
  - Evidence of God, New Testament, and Resurrection (Red Hills Southern Baptist Church), October 30, 2025
    - https://www.youtube.com/watch?v=jUKomHzFxAM

Founder
Sigma Coding, LLC – Diamond Bar, California, July 2016-December 2020

- Started a business to teach robotics and computer programming to kids 5-17 years old
- Grew the business to 12 locations at schools, community centers, and an office, teaching a total of over 2,500 kids
- Converted the company to a non-profit and sold company to UCode, Inc.

Senior Solutions Strategist
Pangomedia, Inc. – Anchorage, Alaska, May 2009-August 2010

- Architected high level solutions for clients, working with the development team to see the project from conception through completion
- Identified clients and projects, including ongoing software development projects, IT consulting placement, and fixed-cost projects
- Solicited business by being an active and participating member of the Alaska business community, performing build/buy analyses, and responding to requests for proposals

Senior Programmer / Analyst
Resource Data, Inc. – Anchorage, Alaska, April 2008-October 2008

- Consulted at Chenega Federal Systems, working on the Joint Supply Management Module project for the US Department of Defense concerning fuel and ammunition inventory tracking
- Utilized Struts, Spring, Java, J2EE, JDBC, Hibernate, Ajax, and Web Services in the SCRUM software development methodology
- Re-architected the system as new requirements forced a redesign of the application
- Acted as a team lead for four developers and one database administrator

Independent Consultant, May 2005-May 2015

- Created Alaska 511 iPhone app for the Alaska Department of Transportation, displaying real-time traffic conditions and cameras to users. The app is downloadable for free in the App Store.
- Performed small to mid-size programming tasks for different companies using predominantly Java, HTML, JavaScript, CMSs, and Flash
- Automated the drafting of legal documents for a law firm involved with estate planning, including creation of diagrams, flow charts, and Microsoft Word generation
- Migrated a Microsoft Access application to a multi-user web-based application
- Created a socket-based Flash chat application with multiple simultaneous users supporting multiple agents over a Java-based chat server

Founder / Chief Executive Officer
Imaginary Technology, LLC – Burbank, California, August 2005-April 2006

- Started a company that created handheld and standalone point of sale systems for the restaurant industry
- Worked with restaurant owners and potential clients to determine the requirements for the point-of-sale system
- Managed a team of 5 developers to implement the requirements and install the system
- Responsible for buying hardware, hiring personnel, obtaining investment money, selling the system, and working with owners to improve the system

Application Specialist – Technical Lead / Senior Architect
21st Century Insurance – Woodland Hills, California, February 2005-May 2005

- Worked as a lead and architect on a team responsible for all online payments of insurance policy premiums, including eCheck and direct-debit payments
- Coded in Java on a Websphere-based application using Struts
- Wrote a J2EE tool to allow customer service representatives to see all the billing history of a customer and all activity that has ever occurred on a customer's policy

Director of Engineering
inQ, Inc.– Agoura Hills, California, July 2004-February 2005

- Responsible for the personnel of the IT department and grew the development/QA team from two to six within the first six months
- Managed a team of four programmers and two QA engineers on a multi-threaded chat and outbound call application to up-sell online customers of client web sites
- Communicated with clients and partners on all technical issues related to interfacing our application with theirs
- Implemented a complete software development process for use by all departments of the company to interact with the IT department for any requests

Technical Consultant
SBC – Smartpages.com – Pasadena, California, July 2003-July 2004

- Managed a team of 12 programmers on an ongoing project to fix all issues with the production site and reported to the client weekly on the status of the issues
- Responsible for improving and implementing technical processes for the development team
- Created and initiated coding standards, then enforced the standards by performing code inspections on all modified code checked in to the version management software
- Involved in design of documentation templates and other process improvement strategies to aid in increasing the CMM level of the team from CMM Level 2 to CMM Level 3 in 2005
- Led team in initiating unit testing (using JUnit) and customized exception handling to reduce the number of bugs and the severity of bugs discovered by the quality assurance team

Graduate Research Assistant
Information Sciences Institute (ISI) – Marina Del Rey, California, May 2002-July 2003

- Used PHP4.0 running on Red Hat Linux 7.1 to create a tree structure for browsing the objects of a specified LDAP server
- Created a Service Data Browser using Java Swing to display the service data returned as a web service SOAP message from different providers in different formats, including raw XML, a tree structure, and a status bar
- Designed an interface to allow other programmers to create their own Visualizers to display the service data however they would like in the Service Data Browser
- Created a web-based interface using JSP and JavaBeans to browse specific service data using web services and display the data in a user-friendly tree-based format

Principal Software Engineer
Corticon Technologies, Inc. – Culver City, California, June 2001-May 2002

- Worked as a technical lead on an 8-member project to design and develop an application to automate business rule generation
- Researched augmented decision tables to design efficient algorithms for optimization of business rules, such as expand, collapse (based on an algorithm designed by Dr. Richard N. Shiffman of Yale University), ambiguity checking, and completeness checking
- Helped to design a parser/compiler for creating Java files from business rule statements that could be used with any plug-in architecture
- Technologies included Weblogic, ILOG, JUnit, Ant, and XML (W3C and JDOM)

Programming Consultant
Dacor – Pasadena, California, January 2001-June 2001

- Developed B2B e-commerce site using JSPs, Servlets, JavaBeans, JDBC, and XML that allowed distributors and retailers to automate the ordering of their products –
- Created middleware application using Java to connect a SQL Server database to an existing Legacy system database
- Requested software and database applications to purchase that would best suit the company's growing needs

Systems Administrator / Programmer
Busybox.com – Century City, California, February 2000-January 2001

- Designed and maintained www.busybox.com (corporate site) and promo.busybox.com (promotions site), using HTML, JavaScript, JSP, Servlets, JDBC, and JavaBeans
- Installed necessary components for web applications, including servlet containers, video streaming software, and web servers on Windows NT Server 4.0
- Installed, configured, and developed with IBM Websphere Application Server and Allaire JRun Application Server, using IBM VisualAge for Java and Websphere Studio
- Completed IBM WebSphere Application Server 3.5 certification training and IBM Visual Age for Java certification training

Advanced Java Instructor / Teaching Assistant
Learning Tree University – Chatsworth, California, December 1999-March 2001

- Taught beginning and advanced Java concepts to classes of corporate students that consisted of programmers and managers
- Topics included: AWT, Swing, Networking, File I/O, Web Servers, Servlets, JSP, Reflection, Multi-threaded Applications, Design Patterns, JDBC, XML

Volunteer Experience

Board of Directors, Red Hills Southern Baptist Church
Director (2024-2025), Vice Chair (2024-2025)

Head Coach, Cedar City T-Ball
Coed Under 6 (2025)

Head Coach, Surf Soccer Club
Girls Under 6 (2023, 2024), Boys Under 6 (2023, 2025), Boys Under 5 (2024)

Head Coach and Referee, American Youth Soccer Organization (AYSO)
Boys Under 6 (2023, 2024), Girls Under 6 (2014, 2022, 2023), Girls Under 7 (2015), Boys Under 8 (2025), Girls Under 8 (2024, 2025). Girls Under 10 (2017, 2018)

Girl Scout Troop Cookie Chair
Girl Scouts of Greater Los Angeles (GSGLA) (Daisy, Brownie, Junior), 2015-2021

School Site Council Parent Member
Quail Summit Elementary School – Diamond Bar, California, 2016-2017, 2017-2018

Treasurer, 2nd Grade
Quail Summit Elementary School – Diamond Bar, California, 2016- 2017

Room Parent
2nd Grade Class – Quail Summit Elementary School – Diamond Bar, California, 2016-2017
1st Grade Class – Rio Vista Elementary School – Toluca Lake, California, 2015-2016

PTA Web Master
Rio Vista Elementary School – Toluca Lake, California, 2015- 2016

School Counseling Advisory Committee
SUCCESS Academy – Cedar City, Utah, 2024-2025

National Baseball Hall of Fame Inductee
Inducted as a Youth Baseball Umpire – Cooperstown, New York, 1999

Expert Witness Service

Total Cases – **51**

Breakdown of Cases

- Plaintiff (**26**), Defendant (**25**)
- Patent (**19**), Trade Secret (**10**), Contract (**7**), Education (**5**), Tax Assessment (**5**), Injury (**4**), Copyright (**2**), Software Theft (**5**)
- Primary Expert (**49**), Assistant (**2**)

Experience

- Trial Testimony (in-person) – **2**
- Trial Testimony (telephonically) – **5**
- Depositions – **21**
- Declarations/Expert Reports – **66**

51	*Perrone Robotics, Inc. v Hyundai, Kia, Mazda, Nissan, Toyota, Volkswagen, 2025* **Representing:** Perrone Robotics, Inc. (plaintiff) **Law Firm:** Susman Godfrey LLP **Role:** I was retained as an expert witness in a patent infringement case involving operating systems used in robotic applications. **Status:** The case is pending.	Patent
50	*Palladin Technologies, LLC v Great Plains Communications, LLC, 2025* **Representing:** Palladin Technologies, LLC (plaintiff) **Law Firm:** Wood Smith Henning & Berman LLP **Role:** I was retained as an expert witness in an arbitration case involving a potential breach of contract of a software system. **Status:** The case is pending.	Contract 1 Exp Report 1 Deposition
49	*WEL, LLC v The City of Lewiston, IMCO General Construction, Control System Technology, Inc., 2025* **Representing:** WEL, LLC (plaintiff) **Law Firm:** Blewett Mushlitz Hally, LLP **Role:** I was retained as an expert witness in a case concerning programmable logic controller (PLC) systems that allegedly caused a water tank to rupture. **Status:** The case is pending.	Injury 1 Exp Report
48	*Gold Chen v Massachusetts Commissioner of Revenue, 2024* **Representing:** Massachusetts Commissioner of Revenue (defendant) **Law Firm:** internal attorneys with the Massachusetts Department of Revenue **Role:** I was retained as an expert witness in a case involving tax assessment based on orders reported by a point-of-sale system. **Status:** The case is pending.	Tax Assess 1 Exp Report 1 Deposition
47	*UWorld, LLC v USMLE Galaxy, LLC, 2024* **Representing:** USMLE Galaxy, LLC (Defendants) **Law Firm:** Bell Nunnally & Martin, LLP **Role:** I was retained as an expert witness on alleged software theft. **Status:** The case is pending.	Software Theft 1 Exp Report 2 Declaration
46	*ES3 Minerals, LLC v Nicholas Kreines, et al, 2024* **Representing:** Nicholas Kreines, et al (Defendants) **Law Firm:** Lloyd Gosselink Rochelle & Townsend, P.C. **Role:** I was retained as an expert witness on alleged software theft. **Status:** The case is pending.	Software Theft 1 Exp Report 1 Declaration 2 Depositions

45	*iCharts LLC v Tableau Software, LLC, 2024* **Representing:** iCharts LLC (Plaintiff) **Law Firm:** Womble Bond Dickinson (US) LLP **Role:** I was retained as an expert witness on a patent infringement case and an IPR case concerning interactive charts. **Status:** The case is pending.	Patent 5 Declarations 1 Deposition
44	*Geotab USA, Inc. and Geotab, Inc. v Fleet Connect Solutions LLC, 2024* **Representing:** Geotab USA, Inc. and Geotab, Inc. (Plaintiff) **Law Firm:** Wolf, Greenfield & Sacks, P.C. **Role:** I was retained as a non-testifying expert for a patent invalidity through inter partes review for a patent involving communication for tracking of freight. **Status:** The case is pending.	Patent
43	*Sheelds Cyber Ltd. v NXP USA, 2024* **Representing:** NXP USA (Defendant) **Law Firm:** Blue Peak Law Group LLP **Role:** I was retained as the expert witness for a patent invalidity and non-infringement case concerning security in vehicular intranetworking. **Status:** The case was dismissed.	Patent
42	*Interactive Communications International, Inc. v Blackhawk Network, Inc., 2024* **Representing:** Blackhawk Network, Inc. (defendant/patent owner) **Law Firm:** Baker & Hostetler LLP **Role:** I was retained as the expert witness for a patent validity case concerning lottery point-of-sale (POS) systems. The patents were challenged as inter partes review (IPR). **Status:** The case is pending.	Patent 2 Exp Report 1 Deposition
41	*Gratuity Solutions, LLC and Gratuity, LLC v Toast, Inc., 2023* **Representing:** Toast, Inc. (defendant) **Law Firm:** Goodwin Procter LLP **Role:** I was retained as the expert witness in a patent infringement case involving point-of-sale systems. **Status:** The case is pending.	Patent 1 Declaration 1 Deposition
40	*Mad Mobile v Meijer Great Lakes Ltd Partnership, 2023* **Representing:** Mad Mobile (plaintiff) **Law Firm:** Cooley, Inc. **Role:** I was retained as the expert witness in an arbitration case involving trade secrets, copyrights, and potential breach of contract of point-of-sale system software. **Status:** The arbitration has been completed with a net judgment in favor of Mad Mobile and a settlement on other items.	Trade Secret Copyright Contract 1 Declaration 2 Exp Report 1 Deposition 1 Testimony (in-person)
39	*DevIntent, LLC v HeroDevs, Inc., 2023* **Representing:** HeroDevs, Inc. (defendant) **Law Firm:** Parr Brown Gee & Loveless **Role:** I was retained as the expert witness in a case involving claims of trade secret theft by the defendant. **Status:** The case was settled.	Trade Secret
38	*Cambridge Mobile Telematics, Inc. v Sfara, Inc., 2023* *Cambridge Mobile Telematics. Inc. v Zendrive, Inc., 2023* **Representing:** Cambridge Mobile Telematics, Inc. (plaintiff) **Law Firm:** Goodwin Procter LLP **Role:** I was retained as the expert witness for a patent infringement case concerning automated vehicle crash technologies. **Status:** The case was settled.	Patent 2 Declarations

37	*3Shape A/S v Medit Corp., 2023* **Representing:** Medit Corp. (defendant) **Law Firm:** Bracewell LLP **Role:** I was retained as the expert witness for a patent infringement case concerning intra-oral 3D scanning. **Status:** The case was settled.	Patent 1 Exp Report 1 Deposition
36	*S3G Technology, Inc. v Nordstrom, Inc., 2023* **Representing:** Nordstrom, Inc. (defendant) **Law Firm:** Bracewell LLP **Role:** I was retained as the expert witness for a patent infringement case concerning automated modification of application software. **Status:** The case was settled.	Patent
35	*Stragent, LLC, v Volvo Car USA, LLC* 2023 **Representing:** Stragent, LLC (plaintiff) **Law Firm:** O'Kelly & O'Rourke, LLC **Role:** I was retained as the expert witness for the invalidity case concerning patents on software and network architectures used in vehicles. **Status:** The case is pending.	Patent 1 Exp Report 1 Deposition
34	*Robotic Vision Technologies, Inc. v ABB, Inc., 2022* **Representing:** Robotic Vision Technologies, Inc. (plaintiff) **Law Firm:** Sterne Kessler Goldstein Fox **Role:** I was retained as the testifying expert witness among a team of experts involving claims of trade secret theft of source code by defendant and patent infringement concerning computer vision technologies in manufacturing. **Status:** The case is pending.	Trade Secret Patent
33	*Omega Patents, LLC v Geotab USA, Inc. and Geotab, Inc., 2022* **Representing:** Geotab USA, Inc. and Geotab, Inc. (defendant) **Law Firm:** Wolf, Greenfield & Sacks, P.C. **Role:** I was retained as the expert witness for a patent infringement case concerning multi-vehicle compatible tracking devices. **Status:** The IPR was instituted, and all claims invalidated.	Patent 3 Declarations 1 Deposition
32	*LBT IP II LLC v Uber Technologies, Inc., 2022* **Representing:** LBT IP II LLC (plaintiff) **Law Firm:** Alston & Bird LLP **Role:** I was retained as the expert witness for a patent infringement and invalidity case concerning tracking and reporting the location of devices. **Status:** The status is unknown.	Patent 1 Declaration
31	*Emery Galambos dba Software Technology v Don Parer, Sonultra Corporation, Techniscan Medical Imaging, and DOES 1 through 10, 2022* **Representing:** Emery Galambos (plaintiff) **Law Firm:** Vegh IP Legal **Role:** I was retained as the expert witness for a contract case concerning software produced by plaintiff for medical imaging devices. **Status:** The case was settled.	Contract
30	*MicroPairing Technologies LLC v General Motors LLC, 2022* **Representing:** General Motors LLC (defendant) **Law Firm:** Eversheds and Sutherland **Role:** I was retained as the expert witness for a patent infringement case with seven patents generally concerning software facilitating intra-vehicle communication, AUTOSAR, and audio systems. **Status:** The case was settled.	Patent

29	*Roadsync, Inc. v Relay Payments, Inc., Spencer Barkoff, James Ryan Droege, and Does 1-10, 2022* **Representing:** Roadsync, Inc. (plaintiff) **Law Firm:** Morrison & Foerster **Role:** I was retained as the expert witness in a case involving claims of trade secret theft by the defendant. **Status:** The status is unknown because the case was moved to a different law firm who retained another expert.	Trade Secret
28	*PayRange Inc. v Kiosoft Technologies* and *TechTrex, Inc., 2022* **Representing:** PayRange, Inc. (plaintiff) **Law Firm:** Wilson Sonsini Goodrich & Rosati **Role:** I was retained as the expert witness for patent infringement and invalidity cases concerning patents related to mobile payment processing systems. **Status:** The case was settled.	Patent 2 Exp Report 1 Declaration 1 Deposition
27	*BMW of North America, LLC v Stragent, LLC, 2021* *Daimler v Stragent, LLC,* 2021 **Representing:** Stragent, LLC (defendant) **Law Firm:** O'Kelly & O'Rourke, LLC **Role:** I was retained as the expert witness for the IPR case concerning patents on software and network architectures used in vehicles. **Status:** The cases were settled.	Patent 1 Declaration 2 Depositions
26	*Healthcare Information LLC v RARE Technologies LLC, 2021* **Representing:** RARE Technologies LLC (defendant) **Law Firm:** Frost Brown Todd LLC **Role:** I was retained as the expert witness in a case involving claims of trade secret theft by the defendant. **Status:** The case was settled.	Trade Secret
25	*Karma Automotive, LLC v Lordstown Motors Corp., 2021* **Representing:** Lordstown Motors Corp. (defendant) **Law Firm:** Baker & Hostetler LLP **Role:** I was retained as the expert witness in a case involving claims of trade secret theft by the defendant. **Status:** The case was settled.	Trade Secret Software Theft 1 Declaration 1 Exp Report 1 Deposition
24	*CartoDB v Parity Digital, 2021* **Representing:** Parity Digital (defendant) **Law Firm:** Peter Brown & Associates, PLLC **Role:** I was retained as the expert witness in a case involving a breach of contract in a software development project. **Status:** The case was settled.	Contract 1 Exp Report
23	*Dirtt Environment Solutions Inc. v Falkbuilt, 2021* **Representing:** Dirtt Environmental Solutions Inc. (plaintiff) **Law Firm:** Akerman LLP **Role:** I was retained as the expert witness in a patent infringement case regarding augmented reality. **Status:** The case was settled.	Patent
22	*Little Pizza King v Massachusetts Commissioner of Revenue, 2020-2021* **Representing:** Massachusetts Commissioner of Revenue (defendant) **Law Firm:** internal attorneys with the Massachusetts Department of Revenue **Role:** I was retained as the expert witness in a case involving tax assessment based on orders reported by a point-of-sale system. **Status:** The case was settled.	Tax Assess 1 Exp Report

21	*Tesla, Inc. v Guangzhi Cao, 2020* **Representing:** Tesla, Inc. (plaintiff) **Law Firm:** Norton Law Firm, PC **Role:** I was retained as the expert witness in a trade secret case where the plaintiff was claiming the defendant stole source code for autonomous vehicles to use with a subsequent employer. **Status:** The case was settled.	Trade Secret Software Theft
20	*Emily Head v University of Texas at Arlington, 2020* **Representing:** Emily Head (plaintiff) **Law Firm:** Gorman Law Firm, pllc **Role:** I was retained as the expert witness in a case where a student was accused of hiring an outside person to complete an online exam for a class. I testified telephonically in the university hearing. **Status:** The case was decided in favor of the university and is under appeal. Status unknown.	Education 1 Testimony (telephonic)
19	*US Auto Parts Network, Inc. v Massachusetts Commissioner of Revenue, 2020* **Representing:** Massachusetts Commissioner of Revenue (defendant) **Law Firm:** internal attorneys with the Massachusetts Department of Revenue **Role:** I was retained as the expert witness in a case involving tax assessment based on online sales that occurred in Massachusetts. **Status:** The case was decided in favor of US Auto Parts.	Tax Assess 1 Declaration
18	*Mo Mir v Rasier, LLC, 2020* **Representing:** Mo Mir (plaintiff) **Law Firm:** Law Offices of Burg and Brock, Inc. **Role:** I was retained as the expert witness in a case where the plaintiff was claiming he was en route to pick up an Uber customer when a traffic collision occurred, so the collision should be covered by the Rasier, LLC insurance. **Status:** The status is unknown.	Injury
17	*Nisa Ilsin v Rice University, 2019* **Representing:** Nisa Ilsin (plaintiff) **Law Firm:** Gorman Law Firm, pllc **Role:** I was retained as the expert witness in a case where a student was accused of cheating by a professor at Rice University. The professor used Moss to identify unauthorized collaboration between the plaintiff and two other students. I testified telephonically in the university hearing in the matter. **Status:** The case was resolved in favor of Nisa Ilsin.	Education 1 Testimony (telephonic)
16	*CoTank, LLC v Massachusetts Commissioner of Revenue, 2019* **Representing:** Massachusetts Commissioner of Revenue (defendant) **Law Firm:** internal attorneys with the Massachusetts Department of Revenue **Role:** I was retained as the expert witness in a case involving point-of-sale system software to see if it was incorrectly calculating revenue and taxes. **Status:** The case was settled.	Tax Assess 1 Deposition 1 Testimony (in-person)
15	*Andrew Kuhn v Cook Inc., 2019* **Representing:** Cook, Inc. (defendant) **Law Firm:** Saxton and Stump **Role:** I was retained as the expert witness in a case involving improper following of procedures in a hospital related to functionality built into an electronic health records system. **Status:** The case was settled.	Injury 1 Exp Report
14	*Delailla v Progressive Fueling, 2019* **Representing:** Delailla (plaintiff) **Law Firm:** Law Offices of John D. Wilson **Role:** I was retained as the expert witness in a case involving a point-of-sale system that appeared to be approving credit card transactions but not communicating with the payment processor. **Status:** The case was settled.	Contract

13	*Michael Bowen v UT Austin, 2019* **Representing:** Michael Bowen (plaintiff) **Law Firm:** Gorman Law Firm, pllc **Role:** I was retained as the expert witness in a case where a student was accused of cheating by a professor at UT Austin. The professor used Moss to identify potential locations of copying of code from an Internet source. I testified telephonically in the university hearing in the matter. **Status:** The case was resolved in favor of Michael Bowen.	Education 1 Testimony (telephonic)
12	*WeRide v ZZX, Inc., 2019* **Representing:** ZZX, Inc. (defendant) **Law Firm:** Greenberg Traurig, LLP **Role:** I was retained as the expert witness in a trade secret dispute concerning copying of vehicular vision artificial intelligence software by the defendant. **Status:** The case was settled.	Trade Secret Software Theft 1 Declaration
11	*Contemporary Services Corporation (CSC) v Landmark Event Staffing Services, Inc., 2019* **Representing:** Contemporary Services Corporation (plaintiff) **Law Firm:** Fulwider Patton, LLP **Role:** I was retained as the expert witness in a trade secret dispute concerning software and other proprietary information produced by the plaintiff. **Status:** The case was settled.	Trade Secret 1 Deposition
10	*Ryan Shafiei v UT Austin, 2019* **Representing:** Ryan Shafiei (plaintiff) **Law Firm:** Gorman Law Firm, pllc **Role:** I was retained as the expert witness in a case where a student was accused of cheating by a professor at UT Austin. The student retained an attorney and was fighting the cheating accusation. I analyzed the information provided by the professor, including k-index and temporal coordination, to disprove the cheating claim. I testified telephonically in the university hearing in the matter. **Status:** The case was settled.	Education 1 Testimony (telephonic)
9	*Massachusetts Department of Revenue v Sugarcane Restaurant, 2018* **Representing:** Massachusetts Department of Revenue (plaintiff) **Law Firm:** internal attorneys with the Massachusetts Department of Revenue **Role:** I was retained as the expert witness in a case involving point-of-sale system software to see if it was incorrectly calculating revenue and taxes. **Status:** The case was settled.	Tax Assess
8	*Priyanka Reddy and Sunihith Daggubati v UT Austin, 2018* **Representing:** Priyanka Reddy and Sunihith Daggubati (plaintiff) **Law Firm:** Law Office of Donald Henslee **Role:** I was retained as the expert witness in a case where two students were accused of cheating by a professor at UT Austin. The students retained an attorney and were fighting the cheating accusation. I analyzed the information provided by the professor, including k-index and temporal coordination, to disprove the cheating claim. I was called to testify in the university hearing in the matter. **Status:** The case was decided in favor of UT Austin and is being appealed. Status unknown.	Education 1 Testimony (telephonic)
7	*BMW of North America, LLC v Stragent, LLC, 2017* *Daimler v Stragent, LLC,* 2017 **Representing:** Stragent, LLC (defendant) **Law Firm:** O'Kelly & Ernst, LLC and Kevin J. Zilka, PC **Role:** I was retained as the expert witness for the IPR case concerning patents on software and network architectures used in vehicles. I filed a dozen IPR declarations, and I was deposed four times in this case. **Status:** Patent claims were invalidated.	Patent 12 Declarations 4 Depositions

6	*James Schultz v Danaher Corporation, Matco Tools Corporation, Matco Tools Distributor, Inc., Airgas, Inc., and DOES 1 through 200, 2016* **Representing:** Professional Tool Products (defendant) **Law Firm:** Kincaid & Associates **Role:** I was retained as the expert witness for one of the defendants in the case to provide an opinion on the current and future state of driverless vehicles for use by people with vision disabilities. **Status:** The case was settled.	Injury
5	*Ford Motor Company and Ford Global Technologies v ThermoAnalytics, Inc., 2015-2016* **Representing:** ThermoAnalytics, Inc. (defendant) **Law Firm:** Butzel Long **Role:** I was retained as the expert witness for ThermoAnalytics in a lawsuit from Ford based on a contract between the two companies on software produced by ThermoAnalytics. **Status:** The case was settled.	Contract 1 Exp Report
4	*Sherman & Zarrabian LLP v Aderant North America, Inc., Aderant Case Management LLC, Aderant Legal Holdings, Inc., Aderant Holdings, Inc., LAHC-CPMG Inc., Client Profiles Inc., LAHC-CPFS Inc., Client Profiles Financial Systems Corporation, and DOES 1 through 25, 2014* **Representing:** Client Profiles Inc. (defendant) **Law Firm:** Winget Spadafora & Schwartzberg LLP **Role:** I reviewed the complaints and developed case studies, primarily in SQL, for determining the usability of the Client Profiles software by Sherman & Zarrabian. **Status:** Status unknown.	Contract
3	*Magna Electronics Inc. v TRW Automotive Holdings Corp.; TRW Automotive US LLC; and TRW Vehicle Safety Systems Inc., 2013* **Representing:** TRW (defendant) **Law Firm:** Lathrop & Gage LLP **Role:** I submitted declarations for 12 patents Magna Electronics was claiming TRW infringed. The case was submitted for Inter Partes Review (IPR) with expert declarations and then proceeded to federal court for the civil lawsuit. The patents involved primarily concerned vision-based systems used as sensors for intelligent vehicular operations. **Status:** Status unknown.	Patent 15 Declarations
2	*RIAA, MPAA et al vs Kazaa, Morpheus, Grokster, 2003* **Representing:** RIAA, MPAA et al (plaintiff) **Role:** I aided Prof. Ellis Horowitz in preparing as an expert witness. The case involved an examination of the source code of Kazaa, written in C/C++, and Morpheus, written in Java, to determine the extent to which the software remained in contact with the distributor (i.e. Kazaa, Morpheus). Prof. Horowitz filed a declaration and was deposed. **Status:** The case was ruled in favor of Kazaa, et al, reaffirmed on appeal, but decided in favor of the RIAA et al by the United States Supreme Court in June 2005.	Trade Secret
1	*NAVCanada vs Adacel and CAE,* 2007 **Representing:** NAVCanada (plaintiff) **Role:** I aided Prof. Ellis Horowitz in preparing as an expert witness. NAVCanada had developed an air traffic control system for flights across the North Atlantic. They accused Adacel and CAE of copyright infringement. The software was written using C++ and Pascal. **Status:** The case was settled.	Copyright

Professional Course Development

34. Southern New Hampshire University, Fundamentals of Data Mining (DAT220), June 2014.
33. Southern New Hampshire University, Introduction to SQL (IT220), April 2014.
32. Rasmussen College, Computer Science Program Curriculum, September 2013.
31. Rasmussen College, Web Developer Program Curriculum, February 2013.
30. Rasmussen College, Software Application Developer Program Curriculum, February 2013.
29. Rasmussen College, Software Engineering Program Curriculum, January 2013.
28. Charter College, Project Management (PM4799), October 2012.
27. Everest College, CompTIA A+ (ITSS1004, ITSS2001, ITSS3001), October 2012.
26. ITT, Project Management for Information Technology (PM3440), October 2012.
25. ITT, Email and Web Services (NT2670), October 2012.
24. Strayer University, C++ Development (unknown course number), July 2012.
23. Columbia Southern University, Data Analytics (ITC12A), May 2012.
22. Education Affiliates, Windows Server Network Resources (CNS160), May 2012.
21. Education Affiliates, Windows Server Network Infrastructure (CNS150), May 2012.
20. Education Affiliates, Help Desk Support (CNS135), May 2012.
19. ITT, Managing Software Development Projects (PM4540), January 2012.
18. ITT, Project Management for Information Technology (PM3140), December 2011.
17. Everest Colleges, Institutes, and Universities, Basic Computing (ITSS2001), November 2011.
16. ITT, 3D Modeling Techniques (GC1330), September 2011.
15. ITT, Physical Networking (NT1310), September 2011.
14. ITT/ESI, Web Programming in VB.NET (WT1220), July 2011.
13. ITT/ESI, Systems Analysis (PM3140), May 2011.
12. International Education Corporation, System Architecture CompTIA A+ (CT2009-110), April 2010.
11. International Education Corporation, Windows Applied Computing CompTIA A+ (CT2009-120), April 2010.
10. Walden/Laureate University, Computer Forensics (CMIS 4104), August 2009.
9. Walden/Laureate University, Information Security Techniques II (CMIS 4103), May 2009.
8. Walden/Laureate University, Information Security and Privacy (CMIS 4101), March 2009.
7. International Education Corporation, Network Architecture (Module D in Computer Systems Technician Program), November 2008.
6. International Education Corporation, Client Operating Systems (Module E in Computer Systems Technician Program), November 2008.
5. Strayer University, System Modeling Theory (CIS212), September 2008.
4. Strayer University, Data Warehousing Systems (CIS522), September 2008.
3. Baker College, Internet and Web Security (ITS405), August 2008.
2. Strayer University, Java Programming II (CIS407), August 2007.
1. Westwood College, Compiler and Interpreter Design (SG400), July 2006.

Professional Courses Taught

1. State of Alaska, Department of Natural Resources, "AJAX for Java Developers", March 2009.

Honors and Awards

Honors and Awards Received

16. *Utah Outstanding Registered Apprenticeship Sponsor* for SUU's Building Apprenticeship Systems in Cybersecurity (BASIC), Salt Lake City, Utah, November 2024.
15. *ACM Senior Member*, elevated in 2017.
14. *IEEE Senior Member*, elevated in 2015.
13. *IEEE Vehicular Technology Society Conference Chair Award, Vehicular Technology Conference-fall 2011, San Francisco, California, USA.* Presented in Seoul, Korea. May 20, 2014.
12. Alaska Engineer of the Year nominee, 2014. Nominated by IEEE Alaska Section.
11. IEEE Alaska Engineer of the Year, 2014.
10. *IEEE Alaska Section 2013 Outstanding Leadership and Professional Service Award*, IEEE Alaska Section, 2013.
9. *University of Alaska Anchorage Office of Undergraduate Research and Scholarship Faculty Mentor Award*, based on being the Faculty Mentor to a student who won an Undergraduate Research and Scholarship Award for Research, April 2012.
8. *IEEE Region 6 Northwest Area Outstanding Section Award 2011*, IEEE Alaska Section while I was the chair of the section in 2011.
7. *University of Alaska Anchorage School of Engineering Spring 2011 Engineering Competition Best Faculty Advisor*, based on being the Faculty Advisor to a student whose project won the Engineering Competition, April 2011.
6. *University of Alaska Anchorage Office of Undergraduate Research and Scholarship Faculty Mentor Award*, based on being the Faculty Mentor to a student who won an Undergraduate Research and Scholarship Award for Research, April 2011.
5. *Anchorage Convention and Visitors Bureau Seymour Award Winner 2011*, based on being the Annual Meeting Champion from 2010.
4. *University of Alaska Anchorage School of Engineering Fall 2010 Engineering Competition Best Faculty Advisor*, based on being the Faculty Advisor to a student whose project won the Engineering Competition, December 2010.
3. *Anchorage Convention and Visitors Bureau Meeting Champion,* October 2010, based on the conferences I have aided in bringing to Anchorage having an economic impact of $3,157,341.94.
2. Poster Honorable Mention (given to top 5 out of 250 posters), "Determining Time to Traverse Road Sections based on Mapping Discrete GPS Vehicle Data to Continuous Flows." *IEEE 6th Intelligent Vehicles Symposium*, La Jolla, California, USA, June 2010.
1. *Professor of the Year of Computer Science* at California State University, Los Angeles in 2002 based on student votes. I was the first lecturer ever to be given this award.

Honors and Awards Received by Students Advised

- VexU Robotics World Competition Participant, April 2022. As the winner of a large VexU competition in California, we were invited to participate in the world competition.
- USC VexU Robotics Team, Viterbi Competition & Design Team Funding Award, fall 2021. $8,551.70
- Jack (Boyuan) Xu, Undergraduate Outstanding Service Award, May 2020. Jack was an undergraduate TA of mine for three years in CSCI 201 and ITP 116.
- VexU Robotics World Competition Participant, January 2020. As the winner of the skills challenges for California, we were invited to participate in the world competition.
- USC VexU Robotics Team, Viterbi Competition & Design Team Funding Award, fall 2019. $4000
- VexU Robotics World Competition Participant, April 2019. As the winner of the skills challenges for California, we were invited to participate in the world competition.
    - The team then won the Excellence Award at the World Competition, awarded to the top all around team, based on robot performance and judging
- VexU Robotics World Competition Participant, April 2018. As the winner of the skills challenges for California, we were invited to participate in the world competition.
- Albert Kong. VexU Robotics Team Competition Project, fall 2017. $1,000
- Howard Gil. USC Undergraduate Symposium for Scholarly and Creative Work participant, April 12, 2017.

- VexU Robotics World Competition Participant, April 2016. As the winner of the skills challenges for California, we were invited to participate in the world competition.
- Richard Phillips, Christine Song, Stephen Chen, Karl Campanella-Dysart, Luke Yang, Ameya Deshpande. Honorable Mention by *Airport Cooperative Research Program (ACRP) University Design Competition for Addressing Airport Needs*. Computer Science Capstone Project in CSCI 401, co-advised by Drs. Thomas Anthony and Daniel Scalese. "Design of a Robust, Inexpensive System to Enhance Drone Flight Data," spring 2016. $500
- Lowell Perry. *Office of Undergraduate Research and Scholarship (OURS)* for "ATV Remote Monitoring System," fall 2013. $2,500
- Wolfram Donat. *Office of Undergraduate Research and Scholarship (OURS) Discovery Award* for "Computer Vision for Vehicular Robotics," spring 2013. $250
- Vex Robotics High School World Competition Participant, April 2013. As a regional winner, we were invited to participate in the world competition.
- Vex Robotics High School Region Competition Winner, March 2013. I advised a group of four high school students to participate in the competition.
- Jacob Wingerd. *Office of Undergraduate Research and Scholarship (OURS)* for "Digital Snow Plow Monitoring for User Navigation Purposes," fall 2012, $1,900.
- Timothy Menard, 2nd Place, *IEEE 2012 Region 6 Paper Competition*, September 2012. $500
- Wolfram Donat. *Office of Undergraduate Research and Scholarship (OURS)* for "Computer Vision for Vehicular Robotics," spring 2012. $2,000
- Timothy Menard. Admitted to University of Nevada, Las Vegas, Master's program in Electrical and Computer Engineering, fall 2012.
- Timothy Menard. Internship with Toyota InfoTechnology, Mountain View, California, summer 2012.
- Timothy Menard, *USUAA Leadership Award,* spring 2012. $1,000
- Timothy Menard, BP 1st Place Award, *University of Alaska Anchorage School of Engineering Spring 2012 Design Competition*, spring 2012. $300
- Timothy Menard, Society of Women Engineers Community Engagement Award, *University of Alaska Anchorage School of Engineering Spring 2012 Design Competition*, spring 2012. $50
- Timothy Menard, 1st Place, *IEEE Spring 2012 Northwest Area Paper Competition*, April 2012. $750
- Timothy Menard. 1st Place, *IEEE UAA Student Branch Spring 2012 Paper Competition*. (moved onto IEEE Spring 2012 Northwest Area Paper Competition), March 2012.
- Timothy Menard. *UAA Leadership Honors*, spring 2012.
- Timothy Menard. *Society of American Military Engineers Scholarship – Anchorage Post*, 2011. $750
- Timothy Menard. *University of Alaska Anchorage School of Engineering Scholarship*, fall 2011. $500
- Timothy Menard. *UAA University Honors College Discovery Grant* to attend IEEE Intelligent Transportation Systems Conference, Washington DC, October 2011. $1,000
- Timothy Menard. Internship with Toyota InfoTechnology, Mountain View, California, 2011.
- Timothy Menard. 1st Place, "FreeSim_Mobile: iPhone vs Android." *University of Alaska Anchorage School of Engineering Spring 2011 Design Competition.* $3,000
- Timothy Menard. *USUAA Student Travel Grant* to attend IEEE Intelligent Vehicles Symposium in Baden-Baden, Germany, spring 2011. $850
- Timothy Menard. 2nd Place, *IEEE Spring 2011 Northwest Area Paper Competition*, April 2011. $500
- Timothy Menard. 1st Place, *IEEE UAA Student Branch Spring 2011 Paper Competition*. (moved onto IEEE Spring 2011 Northwest Area Paper Competition), March 2011.
- Timothy Menard. *USUAA Student Travel Grant* to attend IEEE Intelligent Vehicles Symposium in San Diego, California, spring 2010. $750
- Timothy Menard. 1st Place, "FreeSim_Mobile." *University of Alaska Anchorage School of Engineering Fall 2010 Design Competition.* $3,000
- Timothy Menard. *Office of Undergraduate Research and Scholarship (OURS)* for FreeSim_Mobile, fall 2010. $1,000

Research and Project Funding Received

Total funding since 2007 – **$9,969,329.76**
Total funding at UAA (2007-2013) – **$1,257,617.41**
Total funding at USC (2013-2022) – **$1,248,560.27**
Total funding at SUU (2022-present) - **$7,463,152.08**

Education-Based Funding Received

Total funding as PI/Co-PI at SUU - **$1,321,181.08**
Total funding as PI/Co-PI at USC - **$1,248,560.27**
Total funding as PI/Co-PI at UAA - **$528,409.95**
Total funding as PI/Co-PI - **$3,098,151.30**

94. BZI, "SUU/BZI Youth Engineering Academy." June-July 2025, **$15,000**, PI
93. Marci Staudt (individual), "SUU/BZI Youth Engineering Academy," June-July 2025, **$2,500**, PI
92. Watson Engineering, "SUU/BZI Youth Engineering Academy." June-July 2025, **$500**, PI
91. Hughes General Contractors, "SUU/BZI Youth Engineering Academy." June-July 2025, **$1,000**, PI
90. TDS, "SUU/BZI Youth Engineering Academy." June-July 2025, **$1,000**, PI
89. All American Diner, "SUU/BZI Youth Engineering Academy." June-July 2025, **$500**, PI
88. Utah Department of Cultural and Community Engagement, STEM Action Center, "Southern Utah University PREP: More than a Summer Camp." **$46,175**, Co-PI
87. Utah Department of Cultural and Community Engagement, STEM Action Center, "SUU/BZI Youth Engineering Academy." **$40,301**, Co-PI
86. ALSAM Foundation, STEM Mobile Laboratory RV and SUU/BZI Youth Engineering Academy Operating Endowment, **$750,000**, Co-PI
85. Align Precision, Thunderworks Makerspace Fellowship, **$1,400**, PI
84. Sorenson Foundation, YEA 3D Printing and Theater Support, **$1,500**
83. Ash Grove Foundation, Concrete Field-Testing Equipment, **$25,000**
82. Hughes General Contractors, Inc., Construction Management Endowed Scholarship and Lab Equipment, **$150,000**
81. Align Precision, "SUU/BZI Youth Engineering Academy," June-July 2024, **$500**, PI
80. Zonos, "SUU/BZI Youth Engineering Academy," June-July 2024, **$500**, PI
79. Rocky Mountain Power, "SUU/BZI Youth Engineering Academy Robot Kits," June-July 2024, **$1,250**, PI
78. RAM Aviation, Space & Defense, "SUU/BZI Youth Engineering Academy," June-July 2024, **$1,000**, PI
77. High Desert Cleaning Services, "SUU/BZI Youth Engineering Academy," June-July 2024, **$1,000**, PI
76. Marci Staudt (individual), "SUU/BZI Youth Engineering Academy," June-July 2024, **$2,500**, PI
75. Guardsight, "SUU/BZI Youth Engineering Academy," June-July 2024, **$2,500**, PI
74. BZI, "SUU/BZI Youth Engineering Academy." June-July 2024, **$15,000**, PI
73. Utah STEM Action Center, SUU PREP, **$7,000**, PI
72. Align Precision, Thunderworks Makerspace Fellowship and Scholarship, **$5,600**, PI
71. Utah System of Higher Education (USHE) Targeted Workforce Development Program, Computer Science faculty line and equipment, August 2023-ongoing, **$229,044**, PI
70. Various Food Vendors, "SUU/BZI Youth Engineering Academy," **$2,411.08**, PI
69. Guardsight, "SUU Youth Engineering Academy." July 2023, **$2,500**, PI
68. High Desert Cleaning Services, "SUU/BZI Youth Engineering Academy." July 2023. **$500**, PI
67. BZI, "SUU/BZI Youth Engineering Academy." July 2023. **$15,000**, PI
66. Newegg. "CS@SC Fall 2021 Camps." September 2021-December 2021. **$2,040**, PI
65. CogniCoder. "CS@SC Fall 2021 Camps." September 2021-December 2021. **$1,700**, PI
64. Individual Contributions, "CS@SC Fall 2021 Camps." September 2021-December 2021. **$17,350**, PI
63. CogniCoder. "CS@SC Summer 2021 Camps." May 2021-August 2021. **$15,300**, PI

62. Rowland Unified School District. "CS@SC Summer 2021 Camps." May 2021-August 2021. **$50,000**, PI
61. Individual Contributions. "CS@SC Summer 2021 Camps." May 2021-August 2021. **$95,230**, PI
60. Why Can't We Make a Difference? "CS@SC Summer 2021 Camps." May 2021-August 2021. **$17,000**, PI
59. Institute for Education, "CS@SC Summer 2021 Camps." May 2021-August 2021. **$10,000**, PI
58. Epic Megagrants Program. "Game Programming in Unreal." August 2021. **$15,000**, Co-PI, Sanjay Madhav, PI
57. CogniCoder. "CS@SC Spring 2021 Camps." January 2021-April 2021. **$5,375**, PI
56. Individual Contributions. "CS@SC Spring 2021 Camps." January 2021-April 2021. **$29,075**, PI
55. Institute for Education. "CS@SC Spring 2021 Camps." January 2021-April 2021. **$5,000**, PI
54. CogniCoder. "CS@SC Fall 2020 Camps." September 2020-December 2020. **$1,950**, PI
53. Why Can't We Make a Difference? "CS@SC Fall 2020 Camps." September 2020-December 2020. **$1,200**, PI
52. Institute for Education. "CS@SC Fall 2020 Camps." September 2020-December 2020. **$5,000**, PI
51. Individual Contributions. "CS@SC Fall 2020 Camps." September 2020-December 2020. **$14,950**, PI
50. Institute for Education. "CS@SC Summer 2020 Camps." May 2020-August 2020. **$5,000**, PI
49. Individual Contributions. "CS@SC Summer 2020 Camps." May 2020-August 2020. **$104,600**, PI
48. Boston Scientific. "CS@SC Summer 2020 Camps." May 2020-August 2020 (deferred to 2021). **$25,000**, PI
47. Institute for Education. "CS@SC Spring 2020 Camps." January 2020-April 2020. **$5,000**, PI
46. Individual Contributions. "CS@SC Fall 2019 Camps." September 2019-December 2019. **$13,200**, PI
45. Institute for Education, "CS@SC Fall 2019 Camps." September 2019-December 2019. **$10,000**, PI
44. Rowland Unified School District. "CS@SC Summer 2019 Camps." May 2019-August 2019. **$68,750**, PI
43. Walkite International Academy. "CS@SC Summer 2019 Camps." May 2019-August 2019. **$48,000**, PI
42. Institute for Education. "CS@SC Summer 2019 Camps." May 2019-August 2019. **$15,000**, PI
41. Individual Contributions. "CS@SC Summer 2019 Camps." May 2019-August 2019. **$95,075**, PI
40. USC Viterbi School of Engineering and Computer Science Department. "SIGCSE 2019 Attendance." February 27-March 1, 2019. **$1,775.77**, PI
39. Individual Contributions. "CS@SC Summer 2019 Camps." February 2019-April 2019. **$13,490**, PI
38. Institute for Education. "CS@SC Summer Camps Spring 2019 Program." January 2019-March 2019. **$10,000**, PI
37. Individual Contributions. "CS@SC Summer 2018 Camps." September 2018-December 2018. **$10,600**, PI
36. Viterbi Summer Institute Contributions. "CS@SC Summer 2018 Camps." July 2018-August 2018. **$10,270**, PI
35. Individual Contributions. "CS@SC Summer 2018 Camps." May 2018-August 2018. **$42,913**, PI
34. Rowland Unified School District. "CS@SC Summer 2018 Camps." May 2018-August 2018. **$50,000**, PI
33. VexU Competition Donations. January 2018-April 2018, **$1,715**, PI
32. Individual Contributions. "CS@SC Summer 2017 Camps." May 2017-August 2017. **$25,000**, PI
31. Rowland Unified School District. "CS@SC Summer 2017 Camps." May 2017-August 2017. **$37,500**, PI
30. El Rancho Unified District. "CS@SC Summer 2017 Camps." May 2017-August 2017. **$25,000**, PI
29. Fullerton School District. "CS@SC Summer 2017 Camps." May 2017-August 2017. **$45,000**, PI
28. Westly Foundation. "CS@SC Summer2017 Camps." May 2017-August 2017. **$2,750**, PI
27. Google. "igniteCS." February 2017. **$3,475**, PI

26. Northrop Grumman. Support for Computer Science Capstone Course Student Projects. 2016-2017. **$3,000**, PI
25. USC Viterbi New Initiatives Request. "Computer Science Programming Bootcamp." August 2016 (deferred to August 2017). **$38,571**, PI
24. Fullerton School District. "CS@SC Summer 2016 Camps." May 2016-August 2016. **$60,000**, PI
23. Github. "CS@SC Summer 2016 Camps" May 2016-August 2016. **$1,375**, PI
22. Python Software Foundation. "CS@SC Summer 2016 Camps." May 2016-August 2016. **$3,125**, PI
21. Westly Foundation. "CS@SC Summer 2016 Camps." May 2016-August 2016. **$5,000**, PI
20. Individual Donations. "CS@SC Summer 2016 Camps." May 2016-August 2016. **$22,816**, PI
19. USC Department of Computer Science. "CS@SC Summer 2016 Camps." May 2016-August 2016. **$21,058**, PI
18. Raytheon Company. "CS@SC Summer 2016 Camps." May 2016-August 2016. **$7,450**, PI
17. Raytheon Company. "Computer Science Senior Design Project." January 2016-May 2016. **$3,000**, PI
16. Northrop Grumman. Support for Computer Science Capstone Course Student Projects. 2015-2016. **$5000**, PI
15. USC Department of Computer Science. "Robotics Summer Camps." April 2015-August 2015. **$20,230**, PI
14. Institute for Education, Kathy Kemper, and James Valentine. "A Coding Camp at the Viterbi School of Engineering." April 2015-August 2018. **$100,000**, PI
13. Northrop Grumman. Support for Computer Science Capstone Course Student Projects. 2014-2015. **$5,000**, PI
12. REC Foundation. Vex Robotics Super Kit. October 2014. **$999**, PI
11. Personal Grant from Tarek Shraibati. Vex Robotics Super Kit. October 2014. **$1027.50**, PI
10. ConocoPhillips – Robotics, Alternative Energy, and Structure Destruction Summer Camps for K12 Students. May 1, 2014-August 15, 2014. **$80,000**, PI (deferred)
9. BP – Robotics, Alternative Energy, and Structure Destruction Summer Camp Initiative for Pre-College Students. May 1, 2014-August 15, 2014. **$90,000**, PI (deferred)
8. IEEE Foundation Grant – "K12 STEM Outreach in Computer and Electrical Engineering." July 1, 2013-August 31, 2013. **$19,680**, PI
7. Vex Robotics High School World Competition, funded by UAA's School of Engineering, UAA's Computer Science and Engineering department, Visit Anchorage, IEEE Alaska, and ITE Alaska. **$7,500**, PI
6. BP – Robotics, Alternative Energy, and Structure Destruction Summer Camp Initiative for Pre-College Students. May 1, 2013-August 15, 2013. **$80,000**, PI
5. Vex Robotics – "RECF/VEX Robotics Competition Grant." November 2012-February 2013. **$1,233.95**, PI
4. BP – Robotics, GPS Tracking, and Rapid Prototyping Summer Camp Initiative for Middle and High School Students. May 1, 2012-August 15, 2012. **$80,000**, PI
3. BP – Robotics, GPS Tracking, and Rapid Prototyping Summer Camp Initiative for Middle and High School Students. May 1, 2011-August 15, 2011. **$80,000**, PI
2. University of Alaska, Anchorage, Engineering K-12 Outreach, Bridging, and Summer Camps – "UAA School of Engineering Summer Robotics/Mechatronics Workshop and Competition." May 1, 2010-May 31, 2010. **$59,996**, Co-PI
1. Alaska Natives in Science and Engineering Grant – "UAA School of Engineering Summer Robotics/Mechatronics Workshop and Competition." May 1, 2010-May 31, 2010. **$30,000**, Co-PI

Non-Education-Based Funding Received

Total funding as PI/Co-PI at SUU - **$6,141,971.00**
Total funding as PI/Co-PI at UAA - **$609,207.46**
Total funding as team member at UAA - **$120,000.00**
Total funding - **$6,871,178.46**

31. US National Science Foundation – "Fostering Unity and Teamwork for Rural Excellence (FUTURE)." Enabling Partnerships to Increase Innovation and Partnerships (EPIIC) Grant, September 1, 2024-August 31, 2027. **$375,000**, Co-PI
30. US Department of Labor – "Building Apprenticeship Systems in Cybersecurity (BASIC)." Closing the Skills Gap Grant, March 1, 2020-February 29, 2024. **$5,766,971**, PI
29. Municipality of Anchorage – "Freight Vehicle Tracking for Real-Time Freight Route Origin-Destination Data." December 2012-December 2013. **$5,000**, PI
28. University of Alaska Anchorage, Faculty Development Grant – "Test Bed for Robotic Driverless Transportation of Goods and Medical Supplies in Remote Areas." January 2013-June 2013. **$2,147**, PI
27. University of Alaska Anchorage Faculty Leadership in Expanding Undergraduate Research (FLEUR) – "Security in Mobile and Vehicular Ad Hoc Networks (MANET/VANET)." August 2014-December 2014. **$4,913.89**, PI
26. Personal Grant – Online Researching for Proprietary Project. July 15, 2012-December 31, 2013. **$900**, PI
25. University of Alaska, Research Travel Grant – IEEE Vehicular Technology Conference-fall 2012, Quebec City, Quebec, Canada. September 3-7, 2012. **$580.20**, PI
24. University of Alaska, Faculty Development Grant – "Disconnected Vehicular Ad Hoc Network Robotic Hardware Test Platform." July 1, 2012-December 31, 2012. **$2,853**, PI
23. Visit Anchorage (formerly Anchorage Convention and Visitors' Bureau) Funding for Student Internship. February 2012-October 2012. **$3,750**, PI
22. GCI – Cellular Data Plan for Vehicle Tracking at UAA. November 2011-August 2013. **$16,500** ($750/month for 22 months), PI
21. Alaska University Transportation Center – "Information Gathering Infrastructure towards Intelligent Transportation." August 1, 2011-December 31, 2012. **$85,000**, PI
20. University of Alaska, Anchorage – "Information Gathering Infrastructure towards Intelligent Transportation." August 1, 2011-December 31, 2012. **$85,000**, PI
19. Alaska University Transportation Center – "Gathering of Vehicular Parameters in a Vehicle-to-Infrastructure Intelligent Transportation System." August 1, 2010-December 31, 2011. **$99,546**, PI
18. University of Alaska, Anchorage – "Gathering of Vehicular Parameters in a Vehicle-to-Infrastructure Intelligent Transportation System." August 1, 2010-December 31, 2011. **$99,611**, PI
17. University of Alaska, Faculty Development Grant – "Determining Time to Traverse and Origin-Destination Matrices using Probe Vehicles." July 1, 2010-December 31, 2010. **$4,500**, PI
16. Alaska University Transportation Center – "Assessment of Traffic Congestion in Anchorage Utilizing Vehicle-Tracking Devices and Intelligent Transportation System Technology." August 1, 2009-July 30, 2011. **$84,639**, PI
15. University of Alaska, Anchorage – "Assessment of Traffic Congestion in Anchorage Utilizing Vehicle-Tracking Devices and Intelligent Transportation System Technology." August 1, 2009-July 30, 2011. **$72,252**, PI
14. Alaska Natives in Science and Engineering Program (ANSEP) Grant – "Assessment of Traffic Congestion in Anchorage Utilizing Vehicle-Tracking Devices and Intelligent Transportation System Technology." August 1, 2009-July 30, 2011. **$12,394**, PI
13. United States Department of Energy Grant – "A First Assessment of U.S. In-Stream Hydrokinetic Energy Resources since the 1986 NYU Study." January 10, 2010-June 30, 2011. **$120,000**, Team Member
12. University of Alaska, Faculty Development Grant – "Distributed Vehicle Gathering for Intelligent Transportation System Applications", July 1, 2009-December 31, 2009. **$4,500**, PI

11. University of Alaska, Research Travel Grant – IFAC Symposium on Control of Transportation Systems, Redondo Beach, California, USA, September 2009. **$400.38**, PI
10. University of Alaska, Special United Academics Research Travel Grant – IEEE 69th Vehicular Technology Conference, Barcelona, Spain, April 26-29, 2009. **$500**, PI
9. Xilinx University Program Donation – 5 Digilent Inc. Spartan 3E FPGA Boards for Digital Circuits Design course (CSE342). April 2009. **$745**, Recipient
8. University of Alaska, Special United Academics Research Travel Grant – IEEE Intelligent Vehicles Symposium, Xi'an, China. June 3, 2009-June 6, 2009. **$1,000**, PI
7. University of Alaska, Research Travel Grant – "Presentation of Alaska Intelligent Transportation Systems." University of Southern California, Los Angeles, California, March 2009. **$409.83**, PI
6. Alaska Natives in Science and Engineering Program (ANSEP) Grant – "Acquisition and Analysis of Vehicular Tracking Technology in Anchorage." January 1, 2009-December 31, 2009. **$10,000**, PI
5. University of Alaska, Faculty Development Grant – "Determination of Probabilities of Factors in Vehicle Crashes using Intelligent Transportation Systems." July 1, 2008-December 31, 2008. **$4,500**, PI
4. University of Alaska, Research Travel Grant – IEEE Intelligent Transportation Systems Conference 2008, Beijing, China. October 12, 2008-October 15, 2008. **$316.16**, PI
3. Alaska University Transportation Center – Additional support for IEEE 4th International Intelligent Vehicles Symposium, Eindhoven, The Netherlands. June 3, 2008-June 6, 2008. **$2,000**, Recipient
2. University of Alaska, Faculty Development Grant – "Algorithms and Data Structures for the Application of a Super-Vehicle in a Hybrid Vehicle-to-Vehicle-to-Infrastructure (V2V2I) Mobile Ad-Hoc Network (MANET) Architecture." January 1, 2008-June 30, 2008. **$4,500**, PI
1. University of Alaska, Special United Academics Research Travel Grant – IEEE Intelligent Vehicle Symposium 2008, Eindhoven, The Netherlands. June 3, 2008-June 6, 2008. **$750**, PI

Publications

Peer-Reviewed Journal Publications

2. Enriquez, D.J., Sean Jenson, Alexander Bautista, Paloma Field, Sun-il Kim, Muhammad Ali, Jeffrey Miller. "On Software-based Remote Vehicle Monitoring for Detection and Mapping of Slippery Road Sections." *International Journal of Intelligent Transportation Systems Research*, *Springer*, September 2017, Volume 15, Issue 3. pp. 141-154, DOI: 10.1007/s13177-016-0128-9. http://link.springer.com/article/10.1007/s13177-016-0128-9?wt_mc=Internal.Event.1.SEM.ArticleAuthorOnlineFirst 10.1007/s13177-016-0128-9
1. Miller, Jeffrey. "Dynamically Computing Fastest Paths for Intelligent Transportation Systems." IEEE Intelligent Transportation Systems Magazine, Volume 1, Number 1, spring 2009. pp. 20-26 10.1109/MITS.2009.932717

Peer-Reviewed Conference Publications

31. Karthik, Suhrid, Jeffrey Miller. "The Computer Science Capstone Course at USC: A Case Study." *Capstone Design Conference 2020*, Dallas, Texas, USA, June 2020.
30. Miller, Jeffrey, Andrew Goodney, Saty Raghavachary. "Benefits of Exposing K12 Students to Computer Science through Summer Camp Programs." *2018 IEEE Frontiers in Education Conference (FIE '18)*, San Jose, California, USA, October 2018. 10.1109/FIE.2018.8659101
29. Presto, Courtney-Lynn, Jeffrey Miller. "Equal Accessibility to Computer Science Classes in High Schools in California." *8th IEEE Integrated STEM Education Conference (ISEC '18)*, Princeton, New Jersey, USA, March 2018. 10.1109/ISECon.2018.8340508
28. Miller, Jeffrey, Saty Raghavachary, Andrew Goodney. "CS@SC Summer Camps - a week-long program to teach local K-12 students about Computer Science." *Consortium for Computing in the Colleges-Southwest Region Conference 2018 (CCSC-SW)*, Claremont, California, USA, March 2018.

27. Miller, Jeffrey. "Benefits of Exposure Programs to K12 Student Interest in Computer Science." Lightning Talk, *ACM Special Interest Group on Computer Science Education (SIGCSE)*, Baltimore, Maryland, USA, February 2018.
26. Miller, Jeffrey. "Minimizing Effort for ABET Outcomes Assessment While Maintaining Effective Results." *ACSE International Conference on Computational Science and Computational Intelligence (CSCI) International Symposium on Education (ISED)*, Las Vegas, Nevada, USA, December 2016. 10.1109/CSCI.2016.0075
25. Shamsian, Shahriar, Gisele Ragusa, Jeffrey Miller, Michael Shindler. "Teaching Large Computer Science Classes." *American Society of Engineering Education (ASEE) 123rd Annual Conference and Exposition*, New Orleans, Louisiana, USA, June 2016.
24. Sanchez-Medina, Javier, Jeffrey Miller, Enrique Rubio-Royo. "Global Temperature vs Greenhouse Emissions Model: Genetic Algorithm Driven Parametric Multiobjective Fitting." *2014 International Conference on Artificial Intelligence*, Las Vegas, Nevada, USA, July 2014. pp. 1-6
23. Smith, Kristian, Jeffrey Miller. "OBDII Data Logger Design for Large-Scale Deployments." *IEEE 16th Intelligent Transportation Systems Conference*, The Hague, The Netherlands, October 2013. pp. 670-674 10.1109/ITSC.2013.6728308
22. Miller, Jeffrey, John Harriss, Wolfram Donat, Vitaly Ivanov, Paul Kelly, Dustin Mendoza, Zakary Stone. "Vehicular Robotic Test Bed for ITS Applications." Demonstration Abstract, *IEEE 4th Vehicular Networking Conference*, *Seoul*, Korea, November 2012. pp. 15-16
21. Menard, Timothy, John Lund, Jeffrey Miller, Todd Petersen. "907-Plow – Anchorage's Approach to Real-Time Snowplow Tracking." *IEEE 15th Intelligent Transportation Systems Conference*, Anchorage, Alaska, USA, September 2012. ISSN: 0929-0672, pp. 1453-1458 10.1109/ITSC.2012.6338793
20. Miller, Jeffrey, Wolfram Donat, John Harris. "Signal Timing for Fleeting Multiple Intersecting Roadways." *IEEE 15th Intelligent Transportation Systems Conference*, Anchorage, Alaska, USA, September 2012. pp. 9-14
19. Enriquez, D.J., Alex Bautista, Paloma Field, Sun-il Kim, Sean Jensen, Muhammad Ali, Jeffrey Miller. "CANOPNR: CAN-OBD Programmable-Expandable Network-Enabled Reader for Real-Time Tracking of Slippery Road Conditions using Vehicular Parameters." *IEEE 15th Intelligent Transportation Systems Conference*, Anchorage, Alaska, USA, September 2012. pp. 260-264
18. Menard, Timothy, Jeffrey Miller, Michael Nowak, David Norris. "Comparing the GPS Capabilities of the Samsung Galaxy S, Motorola Droid X, and the Apple iPhone for Vehicle Tracking using FreeSim_Mobile." *IEEE 14th Intelligent Transportation Systems Conference*, Washington DC, USA, October 2011. pp. 985-990
17. Menard, Timothy, Jeffrey Miller. "Comparing the GPS Capabilities of the iPhone 4 and iPhone 3GS for Vehicle Tracking using FreeSim_Mobile." *IEEE 7th Intelligent Vehicles Symposium*, Baden Baden, Germany, June 2011. pp. 278-283
16. Menard, Timothy, Jeffrey Miller. "FreeSim_Mobile: A Novel Approach to Real-Time Traffic Gathering using the Apple iPhone." *IEEE 2nd Vehicular Networking Conference*, Jersey City, New Jersey, December 2010. pp. 57-63
15. Miller, Jeffrey, Sun-il Kim, Timothy Menard. "Intelligent Transportation Systems Traveling Salesman Problem (ITS-TSP) – A Specialized TSP with Dynamic Edge Weights and Intermediate Cities." *IEEE 13th Intelligent Transportation Systems Conference*, Madeira Island, Portugal, September 2010. pp. 992-997
14. Miller, Jeffrey, Sun-il Kim, Muhammad Ali, Timothy Menard. "Determining Time to Traverse Road Sections based on Mapping Discrete GPS Vehicle Data to Continuous Flows." *IEEE 6th Intelligent Vehicles Symposium*, La Jolla, California, USA, June 2010. pp. 615-620
13. Miller, Jeffrey. "Analysis of the Traveling Salesman Problem with a Subset of Intermediate Cities and Dynamic Edge Weights used with Intelligent Transportation Systems." Invited paper at *IEEE 7th International Conference on Information, Communications, and Signal Processing*, Fisherman's Wharf, Macau, China, December 2009. pp. 701-705
12. Miller, Jeffrey, Muhammad Ali. "Dynamic Fastest Paths with Multiple Unique Destinations (DynFast-MUD) – A Specialized Traveling Salesman Problem with Intermediate Cities." *IEEE 12th Intelligent Transportation Systems Conference*, St. Louis, Missouri, USA, October 2009. pp. 570-575

11. Miller, Jeffrey. "Analysis of Fastest and Shortest Paths in an Urban City Using Live Vehicle Data from a Vehicle-to-Infrastructure Architecture." *12th International Federation on Automatic Control (IFAC) Symposium on Control in Transportation Systems*, Redondo Beach, California, USA, September 2009. pp. 544-548
10. Miller, Jeffrey. "Distributed Urban Data Gathering in a Vehicle-to-Infrastructure Architecture." 2009 *National Rural Intelligent Transportation Systems Conference*, Seaside, Oregon, USA, August 2009.
9. Miller, Jeffrey. "Fastest Path Analysis in a Vehicle-to-Infrastructure Intelligent Transportation System Architecture." *IEEE 5th Intelligent Vehicles Symposium*, Xi'an, Shaanxi, China, June 2009. pp. 1125-1130
8. Miller, Jeffrey. "Analysis of Vehicle Lane Changes for Determining Fastest Paths in the V2V2I ITS Architecture." *IEEE 11th Intelligent Transportation Systems Conference*, Beijing, China, October 2008. pp. 1207-1212
7. Miller, Jeffrey. "Aggregation Algorithms in a Vehicle-to-Vehicle-to-Infrastructure (V2V2I) Intelligent Transportation System Architecture." *3rd International Symposium of Transport Simulation*, Queensland, Australia, August 2008.
6. Miller, Jeffrey. "Fastest Path Determination at Lane Granularity using a Vehicle-to-Vehicle-to-Infrastructure (V2V2I) Intelligent Transportation System Architecture." *IEEE 4th International Workshop on Vehicle-to-Vehicle Communications* in conjunction with *IEEE 4th Intelligent Vehicles Symposium*, Eindhoven, The Netherlands, June 2008.
5. Miller, Jeffrey. "Vehicle-to-Vehicle-to-Infrastructure (V2V2I) Intelligent Transportation System Architecture." *IEEE 4th Intelligent Vehicles Symposium*, Eindhoven, The Netherlands, June 2008. pp. 715-720
4. Miller, Jeffrey, Ellis Horowitz. "FreeSim – A Free Real-Time Freeway Traffic Simulator." *IEEE 10th Intelligent Transportation Systems Conference*, Seattle, Washington, USA, October 2007. pp. 18-23
3. Miller, Jeffrey, Ellis Horowitz. "FreeSim – A V2V and V2R Freeway Traffic Simulator." *IEEE 3rd International Workshop on Vehicle-to-Vehicle Communications* in conjunction with *IEEE 3rd Intelligent Vehicles Symposium*, Istanbul, Turkey, June 2007.
2. Miller, Jeffrey, Ellis Horowitz. "Algorithms for the Real-Time Processing of Traffic Data." *IEEE 9th Intelligent Transportation Systems Conference*, Toronto, Ontario, Canada, September 2006. pp. 1454-1459 10.1109/ITSC.2006.1707428
1. Miller, Jeffrey. "Characterization of Data on the Gnutella Peer-to-Peer Network." *IEEE 1st Consumer Communication and Networking Conference*, Las Vegas, Nevada, USA, January 2004. pp. 489-494

Lab Manual

1. Miller, Jeffrey. Lab Manual to accompany The Web Application Hacker's Handbook: Discovering and Exploiting Security Flaws by Davydd Stuttard and Marcus Pinto, ISBN 978-0-470-17077-9, August 2008.

Book Technical Content Consultant

3. Lusted, Marcia Amidon. How'd They Do That? How Do Cars Drive Themselves? Capstone Press, North Mankato, Minnesota, 2019. ISBN 978-15435-414-03
2. Smibert, Angie. Cutting-Edge Technology – All About Coding. North Star Editions, Lake Elmo, Minnesota, 2017. ISBN 978-63517-011-5
1. Idzikowski, Lisa. Computer Science in the Real World. Abdo Consulting Group, Inc., Minneapolis, Minnesota, 2016. ISBN 978-16807-804-06

Other Publications

38. Miller, Jeffrey and Charles Wallace. SIGCSE Bulletin, Volume 54, Number 3, July 2022. ISSN 0097-8418 http://sigcse.org/sigcse/files/bulletin/bulletin.54.3.pdf
37. Miller, Jeffrey and Charles Wallace. SIGCSE Bulletin, Volume 54, Number 2, April 2022. ISSN 0097-8418 http://sigcse.org/sigcse/files/bulletin/bulletin.54.2.pdf

36. Miller, Jeffrey and Charles Wallace. SIGCSE Bulletin, Volume 54, Number 1, January 2022. ISSN 0097-8418 http://sigcse.org/sigcse/files/bulletin/bulletin.54.1.pdf
35. Wallace, Charles and Jeffrey Miller. SIGCSE Bulletin, Volume 53, Number 4, October 2021. ISSN 0097-8418 http://sigcse.org/sigcse/files/bulletin/bulletin.53.4.pdf
34. Miller, Jeffrey and Charles Wallace. SIGCSE Bulletin, Volume 53, Number 3, July 2021. ISSN 0097-8418 http://sigcse.org/sigcse/files/bulletin/bulletin.53.3.pdf
33. Miller, Jeffrey and Karen Davis. SIGCSE Bulletin, Volume 53, Number 2, April 2021. ISSN 0097-8418 http://sigcse.org/sigcse/files/bulletin/bulletin.53.2.pdf
32. Davis, Karen and Jeffrey Miller. SIGCSE Bulletin, Volume 53, Number 1, January 2021. ISSN 0097-8418 http://sigcse.org/sigcse/files/bulletin/bulletin.53.1.pdf
31. Miller, Jeffrey and Karen Davis. SIGCSE Bulletin, Volume 52, Number 4, October 2020. ISSN 0097-8418 http://sigcse.org/sigcse/files/bulletin/bulletin.52.4.pdf
30. Davis, Karen and Jeffrey Miller. SIGCSE Bulletin, Volume 52, Number 3, July 2020. ISSN 0097-8418 http://sigcse.org/sigcse/files/bulletin/bulletin.52.3.pdf
29. Miller, Jeffrey and Karen Davis. SIGCSE Bulletin, Volume 52, Number 2, April 2020. ISSN 0097-8418 http://sigcse.org/sigcse/files/bulletin/bulletin.52.2.pdf
28. Davis, Karen and Jeffrey Miller. SIGCSE Bulletin, Volume 51, Number 1, January 2020. ISSN 0097-8418 http://sigcse.org/sigcse/files/bulletin/bulletin.52.1.pdf
27. Miller, Jeffrey and Karen Davis. SIGCSE Bulletin, Volume 51, Number 4, October 2019. ISSN 0097-8418 http://sigcse.org/sigcse/files/bulletin/bulletin.51.4.pdf
26. Davis, Karen and Jeffrey Miller. SIGCSE Bulletin, Volume 51, Number 3, July 2019. ISSN 0097-8418 http://sigcse.org/sigcse/files/bulletin/bulletin.51.3.pdf
25. Miller, Jeffrey. "Driverless Vehicles of the Future – or Present." USC Viterbi Magazine. Spring 2016. http://magazine.viterbi.usc.edu/spring-2016/editorial/driverless-vehicles-of-the-future-or-present/
24. Miller, Jeffrey. "The Future of Driverless Vehicles (Roundtable)." Live Science. November 20, 2015. http://www.livescience.com/52875-the-future-of-driverless-vehicles.html
    a. *Reprinted* - Miller, Jeffrey. "The Future of Driverless Vehicles (Roundtable)." Yahoo! News. November 30, 2015. http://news.yahoo.com/future-driverless-vehicles-roundtable-225235818.html
23. Miller, Jeffrey. "New Year and New Beginnings." IEEE Intelligent Transportation Systems Magazine *Editor-in-Chief Column*, Volume 6, Number 1, spring 2014. pp. 2-2
22. Miller, Jeffrey. "Quality and Quantity." IEEE Intelligent Transportation Systems Magazine *Editor-in-Chief Column*, Volume 5, Number 4, winter 2013. pp. 3-5
21. Miller, Jeffrey. "Expanding and Improving." IEEE Intelligent Transportation Systems Magazine *Editor-in-Chief Column*, Volume 5, Number 3, fall 2013. pp. 2-5
20. Miller, Jeffrey. "Timelines and Deadlines." IEEE Intelligent Transportation Systems Magazine *Editor-in-Chief Column*, Volume 5, Number 2, summer 2013. pp. 2-4
19. Miller, Jeffrey. "Motive, Motivate, Motivation." IEEE Intelligent Transportation Systems Magazine *Editor-in-Chief Column*, Volume 5, Number 1, spring 2013. pp. 2, 62
18. Miller, Jeffrey. "September 2012 Executive Committee/Board of Governors Meeting Summary." *IEEE Intelligent Transportation Systems Society Newsletter,* Volume 14, Number 4, October 2012. pp. 5-6
17. Miller, Jeffrey. "2012 IEEE Intelligent Transportation Systems Conference Summary." *IEEE Intelligent Transportation Systems Society Newsletter,* Volume 14, Number 4, October 2012. pp. 13-15
16. Miller, Jeffrey. "Reflecting on First Year." IEEE Intelligent Transportation Systems Magazine *Editor-in-Chief Column*, Volume 4, Number 4, winter 2012. pp. 2-5
15. Miller, Jeffrey. "2012 IEEE Intelligent Transportation Systems Conference Summary." IEEE Intelligent Transportation Systems Magazine *Conference Report*, Volume 4, Number 4, winter 2012. pp. 56-57
14. Miller, Jeffrey. "IEEE Intelligent Transportation Systems Conference 2012 General Chair Message." IEEE 15th Intelligent Transportation Systems Conference Program, September 2012. pp. 4-5
13. Miller, Jeffrey. "June 2012 Executive Committee/Board of Governors Meeting Summary." *IEEE Intelligent Transportation Systems Society Newsletter,* Volume 14, Number 3, July 2012. pp. 5-6

12. Miller, Jeffrey. "Back to School." IEEE Intelligent Transportation Systems Magazine *Editor-in-Chief Column*, Volume 4, Number 3, fall 2012. pp. 2-3
11. Miller, Jeffrey. "Time for the Magazine." IEEE Intelligent Transportation Systems Magazine *Editor-in-Chief Column*, Volume 4, Number 2, summer 2012. pp. 2
10. Miller, Jeffrey. "February 2012 Executive Committee Meeting Summary." *IEEE Intelligent Transportation Systems Society Newsletter,* Volume 14, Number 2, April 2012. pp. 4-5
9. Miller, Jeffrey. "April 2012 Board of Governors Meeting Summary." *IEEE Intelligent Transportation Systems Society Newsletter,* Volume 14, Number 2, April 2012. pp. 6
8. Miller, Jeffrey. "Continuing the Success." IEEE Intelligent Transportation Systems Magazine *Editor-in-Chief Column*, Volume 4, Number 1, spring 2012. pp. 2
7. Miller, Jeffrey. "October 2011 Executive Committee and Board of Governors Meeting Summary." *IEEE Intelligent Transportation Systems Society Newsletter*, Volume 13, Number 4, October 2011. pp. 5-7
6. Miller, Jeffrey. "IEEE Vehicular Technology Conference Fall 2011 Technical Program Chair Message." IEEE Vehicular Technology Conference Fall 2011 Program, September 2011. pp. 4-5
5. Miller, Jeffrey. "February 2011 Executive Committee Meeting Summary." *IEEE Intelligent Transportation Systems Society Newsletter*, Volume 13, Number 2, April 2011. pp. 3-4
4. Miller, Jeffrey. "April 2011 Board of Governors Meeting Summary." *IEEE Intelligent Transportation Systems Society Newsletter*, Volume 13, Number 2, April 2011. pp. 5
3. Miller, Jeffrey. "IEEE Intelligent Transportation Systems Magazine Guest Editorial – Macroscopic and Microscopic Traffic Simulators." IEEE Intelligent Transportation Systems Magazine, Volume 2, Number 4, fall 2010. pp. 3-4
2. Miller, Jeffrey. "IEEE Vehicular Technology Conference Fall 2009 General Chair Message." IEEE Vehicular Technology Conference Fall 2009 Program, September 2009. pp. 4-5
1. Miller, Jeffrey. "FreeSim – A Free Real-Time V2V and V2I Freeway Traffic Simulator." *IEEE Intelligent Transportation Systems Society Newsletter*, Volume 9, Number 4, December 2007. pp. 35-44

Patents Held

1. Timothy Menard, Jeffrey Miller, John Lund. "Vehicle accessory engagement tracking." US Patent 9,715,369, priority date October 3, 2012. Assignee: University of Alaska Anchorage.

Select Publicity and Articles Including Quotations from Me

152. "SUU/BZI Youth Engineering Academy Grows More Than Six-Fold in Three Years, Significantly Increasing Opportunities and Positive Influence on K-12 STEM Students and Innovators of the Future." *Business Wire*, August 14, 2025. https://www.businesswire.com/news/home/20250814877873/en/SUUBZI-Youth-Engineering-Academy-Grows-More-Than-Six-Fold-in-Three-Years-Significantly-Increasing-Opportunities-and-Positive-Influence-on-K-12-STEM-Students-and-Innovators-of-the-Future
151. "SUU's BASIC Program Wins Prestigious Award." *SUU News*, December 9, 2024. https://www.suu.edu/news/2024/12/suu-basic-program-wins-prestigious-award.html
150. Interview with Tim Sanford of ADAS and Autonomous Vehicle Technology Expo, "ADAS, Autonomous Driving, and Cybersecurity." IEEE Intelligent Transportation Systems Society Podcast Episode 80, September 16, 2024. https://itspodcast.com/its-podcast-episode-80-adas-autonomous-driving-and-cybersecurity/
149. "Massive Growth in SUU's Youth Engineering Academy." Brooke Heath, *SUU News*, August 20, 2024. https://www.suu.edu/news/2024/08/youth-engineering-academy-summer-camp-growth.html
148. Interview with Round Table Group. "Engaging Expert Witnesses," Discussions at the Round Table. August 5, 2024. https://bit.ly/3zlewxc
147. "BZI and SUU Celebrate the Positive Impact of the Growing Youth Engineering Academy Summer Camps." Kayla McFarland, *Iron County Today*, Vol. 15, No. 31, August 4-10, 2024.
146. "BZI and SUU Celebrate the Positive Impact of the Growing Youth Engineering Academy Summer Camps." *BZI*, July 30, 2024. https://www.bzi.com/bzi-and-suu-celebrate-the-positive-impact-of-the-growing-youth-engineering-academy-summer-camps/

145. "Hughes General Contractors, Inc. Makes Contributions to Two SUU Programs." Brooke Heath, *SUU News*, June 7, 2024. https://www.suu.edu/news/2024/06/hughes-contractors-donations.html
144. KSTU-SLC Fox 13 Live Broadcast, June 10, 2024. https://mms.tveyes.com/Transcript.asp?StationID=2100&DateTime=6%2F10%2F2024+8%3A44%3A00+AM&
143. "Empowering Tomorrow's Engineers: SUU/BZI Youth Engineering Academy Summer Camps." *BZI*, March 20, 2024. https://www.bzi.com/empowering-tomorrows-engineers-suu-bzi-youth-engineering-academy-summer-camps/
142. "SUU Professor Receives Grant to Develop 'Artificial Intelligence and Machine Learning' Certificate." Lawrence Mbaki, *SUU News*, August 21, 2023. https://www.suu.edu/news/2023/08/professor-receives-ai-grant.html
141. "Rocky Mountain Power Donates Scholarship Funds to SUU." Abbie Cochrane, *SUU News*, August 14, 2023. https://www.suu.edu/news/2023/08/rocky-mountain-power-scholarships.html
140. "The New College Deans." *SUU Alumni Magazine*, Spring 2023. https://issuu.com/suuwebservices/docs/spring_2023_alumni_magazine?fr=xKAE9_zU1NQ
139. "Cedar City's Aviation and Aerospace Industries making waves with recent NASA Artemis I rocket launch." Gabrielle Costello, *Iron County Today*, December 14, 2022. https://ironcountytoday.com/december-14-2022.pdf
138. "'This really is rocket science': NASA's Artemis moon mission's Cedar City connections." Jeff Richards, *St. George News*, December 11, 2022. https://www.stgeorgeutah.com/news/archive/2022/12/11/jmr-this-really-is-rocket-science-nasas-artemis-moon-missions-cedar-city-connections/#.Y5yvVhXMKHh
137. "Waymo Driverless Cars being Tested in SoCal for Ride-Hailing Service. Are they safe?" Carlos Granda, *ABC 7 News,* December 9, 2022. https://abc7.com/amp/waymo-cars-ride-hail-driverless-vehicles-autonomous/12541908/
136. "Member Spotlight – Jeffrey Miller," SIGCSE Bulletin, Volume 54, Number 4, October 2022. ISSN 0097-8418. https://sigcse.org/about/bulletin/bulletin.54.4.pdf
135. "WIT On Point in a Minute – Automotive Supply Chain." Video produced by WIT Legal, August 10, 2022. https://vimeo.com/735424198
134. "IFE's Tribute to CS@SC Professor Jeff Miller." Kelsey Kemper-Valentine, IFE Newsletter, August 5, 2022. https://mailchi.mp/instituteforeducation/reflects-on-prof-millers-impact-on-cssc?e=17be93cd89
133. "IFE Tribute to Dr. Jeffrey Miller, CS@SC Coding Camp co-founder." Elise Ravencroft, IFE Website, August 4, 2022. https://www.instituteforeducation.org/2022/08/ife-tribute-to-dr-jeffrey-miller-cssc-coding-camp-co-founder/
132. "SUU Names New Deans in Colleges of Engineering and Computational Sciences, and Health Sciences." David Bishop, SUU Website, May 5, 2022. https://www.suu.edu/news/2022/05/new-deans.html
131. "ITP at 40." Marc Ballon, April 15, 2022, *USC Viterbi*. https://viterbischool.usc.edu/news/2022/04/itp-at-40/
130. "A Warrior for Equal Rights." Marc Ballon, April 7, 2022, *USC Viterbi*. https://viterbischool.usc.edu/news/2022/04/a-warrior-for-equal-rights/
129. Interview with Prof. Markus Gardill of Brandenburg University of Technology, "Radar in intelligent transportation, opportunities, and challenges." IEEE Intelligent Transportation Systems Society Podcast Episode 67, January 21, 2022. https://itspodcast.com/its-podcast-episode-67-radar-in-intelligent-transportation-opportunities-and-challenges/
128. IFE News and Updates, December 2021. "Institute for Education hosts COP26 Climate dinner at Royal Thai residence." https://mailchi.mp/instituteforeducation/climate-dinner-at-royal-thai-residence?e=e45cc7e027
127. "CS@SC Camps impact on nearly 7,000 students." Elise Ravencroft, IFE News, December 6, 2021. https://www.instituteforeducation.org/2021/12/cssc-camps-impact-on-nearly-7000-students/
126. IFE News and Updates, October 2021. "IFE hosts 8th Annual Civic Tech Celebration." https://mailchi.mp/instituteforeducation/ife-celebrates-civictechservice?e=e45cc7e027

125. "BPC Plan, Computer Science Department, University of Southern California." BPCnet.org, January 2021. https://bpcnet.org/verified-departmental-bpc-plans/
124. "Jeffrey Miller on Relevant Project Experience." USC Center for Excellence in Teaching Newsletter, December 2019. http://cet.usc.edu/cet/wp-content/uploads/2019/12/December-2019-Newsletter.pdf
123. "Create Techtivity: Mobile Teacher." Michael Agresta, Fall/Winter 2019, *USC Rossier Magazine, pp. 29*. https://rossier.usc.edu/magazine/fall-winter-2019/
122. "The Three P's: Programming, Python and Pacman." Veena Vijai, August 26, 2019, *USC Viterbi*. https://viterbischool.usc.edu/news/2019/08/the-three-ps-programming-python-and-pac-man/
121. "Changing the Narrative – Avri Parker." Caitlin Dawson, May 9, 2019, USC Viterbi. https://viterbischool.usc.edu/news/2019/05/changing-the-narrative/
120. ACM SIGCSE Bulletin, "SIGCSE News in Brief." Vol. 51, No. 2, April 2019. http://sigcse.org/sigcse/files/bulletin/bulletin.51.2.pdf
119. Interview with Dr. Bryant Walker Smith of University of South Carolina, "Legal Aspects of Autonomous Driving." IEEE Intelligent Transportation Systems Society Podcast Episode 51, March 6, 2019. https://itspodcast.com/its-podcast-episode-51-legal-aspects-of-autonomous-driving-a-talk-with-prof-bryant-walker-smith/
118. "Team creates app for educators to share teaching practices without need for internet." Kylie Storm, November 29, 2018, *USC Daily Trojan*. http://dailytrojan.com/2018/11/29/team-creates-app-to-for-educators-to-share-teaching-practices-without-need-for-internet/
117. "We Educated our 2000th Student in Computer Science." Coach Kathy Kemper, August 16, 2018, *Monthly Newsletter, August 2018*. http://www.instituteforeducation.org/2018/08/four-years-of-cssc-celebrates-it-2000th-student-with-coding-skills/
116. "CS@SC Summer Camps." Coach Kathy Kemper, August 1, 2018, *Monthly Newsletter, July 2018*.
115. NPR Southern California Radio Interview – "AirTalk with Larry Mantle." *89.3 KPCC, 89.1 KUOR, 90.3 KVLA*. March 23, 2018. Discussion about Uber's fatal crash with a pedestrian in Tempe, Arizona.
114. "Fatal crash of Uber robot car prompts California to ask for answers." Tony Bizjak, March 19, 2018, *Sacramento Bee*. http://www.sacbee.com/latest-news/article205853919.html
113. "IFE Heads Weste to Kick-off the New Year!" Coach Kathy Kemper, January 16, 2018, *Institute for Education*. http://hosted.verticalresponse.com/659930/6b38e49e0a/280955291/030e5c4e1c/
112. "Looking Back, Looking Forward 2017/2018." Coach Kathy Kemper, January 3, 2018, *Institute for Education.* http://hosted.verticalresponse.com/659930/f8468ddbef/280955291/030e5c4e1c/
111. "Driverless cars are ready to hit the road – but are we ready for driverless cars?" Ian Chaffee, January 1, 2018, *USC News*. http://news.usc.edu/134264/driverless-cars-are-ready-to-hit-the-road-but-are-we-ready-for-driverless-cars/
110. "Who Killed the Human-Driven Car?" USC Pressroom, December 1, 2017.
109. "RSA Encryption." USC Viterbi Magazine, fall 2017. http://magazine.viterbi.usc.edu/fall-2017/#
108. "CS@SC Celebrates its Successful Third Year." IFE News, October 4, 2017. http://www.instituteforeducation.org/2017/10/cssc-celebrates-its-successful-third-year/
107. "Why Self-Driving Cars Need Superhuman Senses." Jack Stewart, September 11, 2017, *Wired.* https://www.wired.com/story/why-self-driving-cars-need-superhuman-senses/
106. "Driverless Cars Need Ears as well as Eyes." Jack Stewart, August 21, 2017, *Wired.* https://www.wired.com/story/driverless-cars-need-ears-as-well-as-eyes/
105. "Tesla's Model 3 is here, and it's much more than an electric car." Jack Stewart, July 29, 2017, *Wired*. https://www.wired.com/story/tesla-model-3-more-than-electric/
104. "Look Ma, no brake! You'll drive electric cars with one pedal." Jack Stewart, July 24, 2017, *Wired*. https://www.wired.com/story/look-ma-no-brake-youll-drive-electric-cars-with-one-pedal/
103. Interview with Dr. Robert Bertini of University of South Florida, "Vehicle Data, Smart Mobility, and Transportation Electrification." IEEE Intelligent Transportation Systems Society Podcast

Episode 41, May 23, 2017. http://itsp.cicei.com/podcast-episode-41-vehicle-data-smart-mobility-transportation-electrification/

102. "Elon Musk and the cult of Tesla: How a tech startup rattled the auto industry to its core." Hope Reese, April 24, 2017, *Tech Republic* Cover Story. http://www.techrepublic.com/article/elon-musk-and-the-cult-of-tesla-how-a-tech-startup-rattled-the-auto-industry-to-its-core/
101. Interview with Dr. Anya Petrovskaya of Stanford/Eonite Perception, IEEE Intelligent Transportation Systems Society Podcast Episode 39, February 27, 2017. http://itsp.cicei.com/its-podcast-episode-39-computer-vision-inside-out-perception/
100. "IFE and CS@SC leading the charge for underrepresented groups in computer science." Brandon Kline, January 31, 2017. http://www.instituteforeducation.org/2017/01/join-us-ife-and-usc-viterbi-school-of-engineering-22417-6pm-to-8pm/
99. "The car of the future is already on the road in Nevada." Adam Candee, January 30, 2017, *Las Vegas Sun*. https://lasvegassun.com/news/2017/jan/30/autonomous-driverless-vehicle-future-nevada/
98. "Tesla's Elon Musk will update cars like your iPhone, in major auto industry shift." Hope Reese, January 24, 2017, *Tech Republic*. http://www.techrepublic.com/article/teslas-elon-musk-will-update-cars-like-your-iphone-in-major-auto-industry-shift/
97. "CES 2017: Chrysler joins the autonomous vehicle parade." Hope Reese, January 3, 2017, *Tech Republic*. http://www.techrepublic.com/article/ces-2017-chrysler-joins-the-autonomous-vehicle-parade/
96. "2017 Will Be The Year Tesla Reigns Supreme – Or Finally Flops." Jack Stewart, December 30, 2016. *Wired*. https://www.wired.com/2016/12/2017-will-year-tesla-reigns-supreme-finally-flops/
95. "Roadblock: Uber's driverless fleet stops San Francisco experiment." Hope Reese, December 22, 2016, *Tech Republic.* http://www.techrepublic.com/article/roadblock-ubers-driverless-fleet-stops-san-francisco-experiment/
94. Radio Interview for BBC Radio 5 Live, *Up All Night* hosted by Dotun Adebayo, December 21, 2016.
93. "Uber's new driverless fleet in San Francisco swiftly declared 'illegal' by California DMV." Hope Reese, December 15, 2016, *Tech Republic.* http://www.techrepublic.com/article/ubers-driverless-fleet-in-san-francisco-swiftly-blocked-by-california-dmv-called-illegal/
92. "CS@SC Summer Coding Camp Celebrates IFE's 25th Anniversary in Washington DC." December 1, 2016, *Institute for Education Web Site*. http://www.instituteforeducation.org/programs/innovation/cssc-summer-coding-camp/
91. "Our autonomous future: How driverless cars will be the first robots we learn to trust." Hope Reese, October 28, 2016, Cover Story - *Tech Republic*. http://www.techrepublic.com/article/our-autonomous-future-how-driverless-cars-will-be-the-first-robots-we-learn-to-trust/
90. "Tesla's self-driving car plan seems insane, but it just might work." Jack Stewart, October 24, 2016, *Wired*. https://www.wired.com/2016/10/teslas-self-driving-car-plan-seems-insane-just-might-work/
89. "Can Self-Driving Cars Develop a Moral Code?" John Bonazzo, October 20, 2016, *The Observer.* http://observer.com/2016/10/can-self-driving-cars-develop-a-moral-code/
88. "Level 5 autonomous driving comes to all new Teslas." Hope Reese, October 20, 2016, *Tech Republic*. http://www.techrepublic.com/article/level-5-autonomous-driving-comes-to-all-new-teslas/
87. "MIT's 'Moral Machine' crowdsources decisions about autonomous driving, but experts call it misguided." Hope Reese, October 17, 2016, *Tech Republic*. http://www.techrepublic.com/article/mits-moral-machine-crowdsources-decisions-about-autonomous-driving-but-experts-call-it-misguided/
86. "Australia says its first self-driving car can 'navigate without driver input'; Experts are skeptical." Hope Reese, October 5, 2016, *Tech Republic*. http://www.techrepublic.com/article/australia-says-its-first-self-driving-car-can-navigate-without-driver-input-experts-are-skeptical/

85. "US Dot unveils 'world's first autonomous vehicle policy,' ushering in age of driverless cars." Hope Reese, September 20, 2016, *Tech Republic*. http://www.techrepublic.com/article/us-dot-unveils-worlds-first-autonomous-vehicle-policy-ushering-in-age-of-driverless-cars/
84. "Tesla's new Autopilot makes a big bet on radar; Musk said system would have prevented deadly crash." Hope Reese, September 16, 2016, *Tech Republic*. http://www.techrepublic.com/article/teslas-new-autopilot-makes-a-big-bet-on-radar-musk-said-system-would-have-prevented-deadly-crash/
83. "Uber's driverless rides in Pittsburgh: What's happening and what it means." Hope Reese, August 30, 2016, *Tech Republic.* http://www.techrepublic.com/article/ubers-driverless-rides-in-pittsburgh-whats-happening-and-what-it-means/
82. "Prepare to be Underwhelmed by 2021's Autonomous Cars." Tom Simonite, August 23, 2016, *MIT Technology Review*. https://www.technologyreview.com/s/602210/prepare-to-be-underwhelmed-by-2021s-autonomous-cars/
81. "Safety Concerns Remain as Uber Introduces Self-Driving Cars." Lauren Lyster, August 21, 2016, *ABC World News Tonight with David Muir*. http://abcnews.go.com/WNT/video/safety-concerns-remain-uber-introduces-driving-cars-41561731
80. "Tesla and Google are both driving toward autonomous vehicles. Which is taking the better route?" Tracey Lien, July 3, 2016, *LA Times*. http://www.latimes.com/business/technology/la-fi-hy-tesla-google-20160701-snap-story.html
79. "Tesla driver dies in first fatality with Autopilot: What it means for the future of driverless cars." Hope Reese, July 1, 2016, *Tech Republic*. http://www.techrepublic.com/article/tesla-driver-dies-in-first-fatality-with-autopilot-what-it-means-for-the-future-of-driverless-cars/
78. "Skeptics of Self-Driving Cars Span Generations." John R. Quain, June 16, 2016, *New York Times*. http://www.nytimes.com/2016/06/17/automobiles/wheels/skeptics-of-self-driving-cars-span-generations.html?smid=tw-nytimeswheels&smtyp=cur&_r=0
77. NPR Southern California Radio Interview – "AirTalk with Larry Mantle." *89.3 KPCC, 89.1 KUOR, 90.3 KVLA*. April 12, 2016. Discussion about Rand report concerning the testing requirements regarding the safety of driverless vehicles. http://www.scpr.org/programs/airtalk/2016/04/12/47908/rand-usc-experts-on-why-test-driving-autonomous-ve/
76. "The Institute for Education Funds CS@SC Summer Camps." Kathy Kemper, March 3, 2016, *Ranch and Coast*. http://www.ranchandcoast.com/2016/03/03/the-institute-for-education/
75. "Revolutionary Road: Driving Toward Connected Automation." Winn Hardin, March 3, 2016, *IHS Engineering 360*. http://insights.globalspec.com/article/2226/revolutionary-road-driving-toward-connected-automation
74. On-camera interview with Korean Broadcasting System News, January 26, 2016, *KBS*. http://news.kbs.co.kr/news/view.do?ncd=3220517
73. "IFE hosts USC Viterbi School of Engineering's CS@SC Summer Camps." June 23, 2016, *Institute for Education*. http://www.instituteforeducation.org/2016/01/ife-hosts-usc-viterbi-school-of-engineering-cssc-summer-camps-rancho-santa-fe-ca/
72. "Everything You Need to Know About Obama's Autonomous Car Plan." Alissa Walker, January 15, 2016, *Gizmodo*. http://gizmodo.com/everything-you-need-to-know-about-obama-s-autonomous-ca-1752996558
71. "There's One Huge Question About Driverless Cars That No One Has Answered." Laura Donovan, January 13, 2016, *Attn:*. http://www.attn.com/stories/5135/jeffrey-miller-driverless-cars?utm_source=facebook&utm_medium=post&utm_campaign=internal
70. "GM's partnership with Lyft is really about Uber." Andrew J. Hawkins, January 6, 2016, *The Verge*. http://www.theverge.com/2016/1/6/10719414/uber-lyft-gm-driverless-cars-ridesharing
69. "In 2016, We Will See More Self-Driving Cars and Safer Roads (Plus More Daredevil Videos)." Mark Bergen, December 30, 2015, *Re/Code*. http://recode.net/2015/12/30/in-2016-we-will-see-more-self-driving-cars-and-safer-roads-plus-more-daredevil-videos/
68. "GM Canada gets mandate for driverless car technology." Sean O'Shea, December 3, 2015, *Global News Canada.* http://globalnews.ca/news/2379025/gm-canada-gets-mandate-for-driverless-car-technology/. Video and Article.

67. "Driverless Car Technology: An Expert Describes The Distant Future Of Autonomous Vehicles." Andrew Whalen, November 19, 2015, *iDigitalTimes.* http://www.idigitaltimes.com/driverless-car-technology-expert-describes-distant-future-autonomous-vehicles-491724
66. "Driverless Car Technology: Impressed By Google Car? Just Wait For The Auto App Explosion." Andrew Whalen, November 10, 2015, *iDigitalTimes.* http://www.idigitaltimes.com/driverless-car-technology-impressed-google-car-just-wait-auto-app-explosion-488364
65. Recorded Video Interview, "Current and Future State of Autonomous Vehicles." Greg Viloria, November 8, 2015, *Nerd Stalker*. http://www.nerdstalker.com/2015/11/current-and-future-state-of-autonomous.html
64. "The federal government doesn't know how to regulate Tesla's autopilot software." Andrew J. Hawkins, November 4, 2015, *The Verge*. http://www.theverge.com/2015/11/4/9670744/tesla-self-driving-autonomous-cars-regulation-oversight
63. "Key questions for the connected car ecosystem." Kelly Hill, October 31, 2015, *RCR Wireless*. http://www.rcrwireless.com/20151031/featured/key-questions-for-the-connected-car-ecosystem-tag6
62. "12 Steps of Recovery from Self-Driving Car Hype." Junko Yoshida, October 29, 2015, *EE Times.* http://www.eetimes.com/document.asp?doc_id=1328149
61. "IEEE Survey Indicates When it Comes to Driverless Cars – You Can Take Me, but not My Kids." *PR Newswire*, October 15, 2015. http://www.prnewswire.com/news-releases/ieee-survey-indicates-when-it-comes-to-driverless-cars---you-can-take-me-but-not-my-kids-300160517.html?tc=eml_cleartime
60. "VAST Updates" Memorandum, Maja Mataric, Vice Dean of Research, USC Viterbi School of Engineering. September 2, 2015. Cited the CS@SC Summer Camps from 2015 as providing K-12 outreach in computer programming.
59. "Autonomous Car Podcast: Expert Discusses the Road Ahead for Self-Driving Cars." Hosted by Roberto Cruz, *AAA Today*. September 1, 2015. http://blog.ny.aaa.com/autonomous-car-podcast-expert-discusses-road-ahead/
58. IEEE Panel Discussion on Driverless Vehicles with Wei-Bin Zhang (UC Berkeley), Bernard Soriano (California DMV), Bryant Walker Smith (University of South Carolina), and hosted by Justin Pritchard (Associated Press). Hosted at the University of Southern California, August 28, 2015. http://transmitter.ieee.org/ieee-driverless-car-roundtable/
57. "Driverless cars will change the world, but how exactly? USC experts look to the future." Andrew Good and Tanya Abrams. *USC News*. August 20, 2015. http://news.usc.edu/85249/ask-the-experts-whats-next-for-driverless-cars/
56. Radio Interview for KFI-AM in Los Angeles, *The Bill Handel Show* hosted by Bill Handel, June 18, 2015. http://www.kfiam640.com/onair/bill-handel-30603/
55. "The Future Starts Now." Kathy Kemper, June 17, 2015. *Huffington Post*. http://www.huffingtonpost.com/kathy-kemper/the-future-starts-now---f_b_7600424.html
54. "How safe are driverless cars?" Ben Tracy, May 12, 2015. *CBS News This Morning*. http://www.cbsnews.com/news/self-driving-car-tests-reveal-collisions-delphi-automotive-google-vehicles/
53. "Santa Rosa company pioneers new generation of smartcars." Robert Digitale, April 19, 2015. *The Press Democrat*. http://www.pressdemocrat.com/business/3812465-181/santa-rosa-company-pioneers-new?page=1
52. Radio Interview for BBC Radio 5 Live, *Up All Night* hosted by Dotun Adebayo, April 4, 2015. http://www.bbc.co.uk/programmes/b05pktv6
51. Radio Interview based on "Autonomous Car Ride from San Francisco to New York Hits a Few Road Bumps Along the Way." *KCBS, CBS News Radio San Francisco, 740 AM, 106.9 FM*, April 4, 2015. In response to article http://sanfrancisco.cbslocal.com/2015/04/03/autonomous-car-ride-from-sf-ny-hits-a-few-road-bumps-along-the-way/
50. "This is Big: A Robo-Car Just Drove Across the Country." Alex Davies, April 3, 2015. *Wired.com*. http://www.wired.com/2015/04/delphi-autonomous-car-cross-country/
49. "Could Apple really be about to make cars?" Jack Stewart, February 20, 2015. *BBC Future*. http://www.bbc.com/future/story/20150220-could-apple-really-make-cars

48. "Driver's Ed: Ethics for Driverless Car Software." *Transportation Communications Newsletter*, February 13, 2015, ISSN 1529-1057.
47. "Self-driving Cars Are No Longer a Thing of the Future." Jason H. Harper, January 9, 2015. *Time Magazine.* http://time.com/3661446/self-driving-driverless-cars-ces/
46. "Programmers face moral dilemma for driverless cars." November 23, 2014. *Toledo Blade courtesy of Associated Press.* http://www.toledoblade.com/Automotive/2014/11/23/Programmers-face-moral-dilemma-for-driverless-cars.html
45. "Gaming out ethical dilemmas of self-driving cars and car crashes." November 20, 2014. *Airtalk with Larry Mantle, KPCC 89.3*. Radio Interview with me. http://www.scpr.org/programs/airtalk/2014/11/20/40444/gaming-out-ethical-dilemmas-of-self-driving-cars-a/
44. "In the future, will no driver = no morals?" November 20, 2014. *The Sun Chronicle courtesy of Associated Press.* http://www.thesunchronicle.com/features/stories/in-the-future-will-no-driver-no-morals/article_0cd16da6-f425-5864-a1ea-1052966d142c.html
43. "US Car Ethics." November 20, 2014. *Associated Press Video.* http://www.aparchive.com/metadata/US-Car-Ethics/cd4d7cb1d21426d10bba653447fb8ad4
42. "US Motor Show Driverless Cars." November 20, 2014. *Associated Press Video.* http://www.aparchive.com/metadata/-HZ-US-Motor-Show-Driverless-Cars/14d3890b4f4041f40ff850b0ed200e3b
41. "Self-driving cars: safer, but what of their morals." Justin Pritchard, November 19, 2014. *Associate Press – The Big Story*. http://bigstory.ap.org/article/74aef312a8b64375b945ae21152d808b/how-teach-self-driving-cars-ethics-road
40. "Self-driving cars may be safer, but there has been little discussion of their moral choices." Justin Pritchard, November 19, 2014. *The Japan Times courtesy of Associated Press.* http://www.japantimes.co.jp/news/2014/11/20/business/self-driving-cars-may-safer-little-discussion-moral-choices/?utm_source=rss&utm_medium=rss&utm_campaign=self-driving-cars-may-safer-little-discussion-moral-choices#.VG5NDckvE3I
39. "Google teaches ethics to driverless cars. Can they react better than humans?" Justin Pritchard, November 19, 2014. *CS Monitor courtesy of Associated Press*. http://www.csmonitor.com/Innovation/Latest-News-Wires/2014/1119/Google-teaches-ethics-to-driverless-cars.-Can-they-react-better-than-humans
38. "Self-driving cars: safer, but what of their morals." Justin Pritchard, November 19, 2014. *Associated Press*. http://bigstory.ap.org/article/74aef312a8b64375b945ae21152d808b/how-teach-self-driving-cars-ethics-road
37. "How to Teach Self-Driving Cars Ethics of the Road." Justin Pritchard, November 19, 2014. *ABC News courtesy of Associated Press*. http://abcnews.go.com/Business/wireStory/teach-driving-cars-ethics-road-27027430
36. "Your Car May Be Programmed to Kill You – and 9 More Fun Facts About Self-Driving Vehicles." Dan Tynan, November 10, 2014. *Yahoo! Tech.* https://www.yahoo.com/tech/your-next-car-may-be-programmed-to-kill-you-and-9-102044547399.html
35. "Self-Driving Cars are the Best Thing to Ever Happen to Cyclists." Alexander George, October 20, 2014. *Outside Magazine*. http://www.outsideonline.com/outdoor-gear/gear-shed/tech-talk/Will-Self-Driving-Cars-Be-the-Savior-of-Cyclists.html
34. "Get Ready to Say Goodbye to the Traffic Light." Bradley Berman, August 20, 2014. *Read Write*. http://readwrite.com/2014/08/20/traffic-light-smart-cars-networked-roads
33. "Three Sneaky Ways Google Wins With Android Auto." Alex Davies, June 26, 2014. *Wired*. http://www.wired.com/2014/06/android-auto-2/
32. "Driverless Vehicles can substantially improve safety on roads: Jeffrey Miller, IEEE." Srinkanth RP. May 27, 2014. *Information Week.* http://www.informationweek.in/informationweek/interviews/295988/driverless-vehicles-substantially-improve-safety-roads-jeffrey-miller-ieee
31. IEEE February 2014 Member Benefits Bulletin email, "Generating Media Coverage for IEEE Members" citing BBC article "How to fix a car – without a mechanic." February 18, 2014. http://www.ieee.org/ns/mganet/mbb/0214_Benefits_Bulletin_R1-7.html

30. "6 tendencias para os carros no future proximo." January 29, 2014. *Exame.com.* http://exame.abril.com.br/tecnologia/noticias/6-tendencias-para-os-carros-no-futuro-proximo#1
29. "How to fix a car – without a mechanic." January 20, 2014. *BBC Future.* http://www.bbc.com/future/story/20140120-fix-a-car-without-a-mechanic
28. "Carros vao interagir entre si e serao mais ageis para fugir de transtornos e evitar acidentes." January 9, 2014. *Brazil Estado de Minas.* http://www.em.com.br/app/noticia/tecnologia/2014/01/09/interna_tecnologia,486120/carros-vao-interagir-entre-si-e-serao-mais-ageis-para-fugir-de-transtornos-e-evitar-acidentes.shtml
27. "Carros estarao conectados a internet em 2025, dizem especialistas." November 5, 2013. *Brazil Epoca*. http://epoca.globo.com/vida/vida-util/tecnologia/noticia/2013/11/quando-seu-carro-estara-bconectado-internetb-em-2025-dizem-especialistas.html
26. "The Future Mode of Intelligent Transportation." October 10, 2013. *iChina*.
25. "Most new cars to be Internet-enabled by 2025." September 5, 2013. *The Denver Post.* http://www.denverpost.com/technology/ci_24021259/most-new-cars-be-internet-enabled-by-2025
24. "60 percent of vehicles to be Internet-enabled by 2025." Ellyne Phneah, September 2, 2013. *ZDNet.* http://www.zdnet.com/60-percent-of-vehicles-to-be-internet-enabled-by-2025-7000020107/
23. "IEEE: 60 Percent of Cars Will Be Internet-Enabled by 2025." Darryl K. Taft, August 29, 2013. *eWeek*. http://www.eweek.com/innovation/ieee-60-of-cars-will-be-internet-enabled-by-2025.html
22. "The Need for High Speed: IEEE Experts Predict 60 Percent of the Vehicles on the Road Will Be Internet-Enabled by 2025." August 28, 2013. *PR News Wire article includes quotations from me.* http://www.prnewswire.com/news-releases/the-need-for-high-speed-ieee-experts-predict-60-percent-of-the-vehicles-on-the-road-will-be-internet-enabled-by-2025-221479981.html
21. "Vehicular Technology Conference Focuses on Wireless." July 8, 2013. IEEE The Institute article includes quotations from me. http://theinstitute.ieee.org/benefits/conferences/vehicular-technology-conference-focuses-on-wireless
20. "Major Road Blocks Linger, But Driverless Cars Are Here to Stay." July 5, 2013. *Fox Business article includes quotations from me.* http://www.foxbusiness.com/industries/2013/07/03/major-road-blocks-linger-but-driverless-cars-are-here-to-stay/
19. Informania Interview on KRUA. May 16, 2013. Discussion about K12 summer camps and Intelligent Transportation Systems research. http://www.kruaradio.org/infomania-dr-miller-interview/
18. "The Impact of Driverless Technology and Autonomous Cars." March 26, 2013. Written by Rebekah Coleman. Loans.org article includes quotations from me. http://loans.org/auto/articles/driverless-technology-autonomous-cars
17. Nominated for "2013 White House Champions of Change – Transportation Technology Solutions for the 21st Century." March 26, 2013.
16. "Intelligent Transportation Careers Speed Ahead." March 2013. Today's Engineer *Career Focus* article includes quotations from me. http://www.todaysengineer.org/2013/Mar/career-focus.asp
15. Who Wants to Be a Millionaire? – A question on the show that aired on February 27, 2013 featured the IEEE from the articles below published about driverless cars by 2040. 4th Question – "With self-driving cars expected to become the norm, the Institute of Electrical and Electronics Engineers predicts that by 2040, drivers will no longer need what?" Answer – Driver's licenses.
14. "IEEE Identify Driverless Cars as Most Viable Form of Intelligent Transportation, Dominating the Roadway by 2040." September 26, 2012. *After Market Auto Safety*. https://aftermarketautosafety.wordpress.com/2012/09/26/ieee-identify-driverless-cars-as-most-viable-form-of-intelligent-transportation-dominating-the-roadway-by-2040/
13. "Driverless Cars Allowed on California Roads." September 26, 2012. *Environment News Service*. http://ens-newswire.com/2012/09/26/driverless-cars-allowed-on-california-roads/
12. NPR Southern California Radio Interview – "AirTalk with Larry Mantle." 89.3 KPCC, 89.1 KUOR, 90.3 KVLA. September 25, 2012. Discussion about Governor Larry Brown signing bill allowing self-driving cars in California.

http://www.scpr.org/programs/airtalk/2012/09/26/28581/governor-brown-paves-the-road-for-hands-free-drivi/ Actual radio segment - http://www.scpr.org/programs/airtalk/2012/09/26/

11. QR77 Radio Interview – "The Rob Breckinridge Show." September 21, 2012. Lead story for the show was on driverless vehicles.
10. "Top Five Predictions about the Future of Driverless Cars." September 20, 2012. *AoIAutos.com*. http://dreamcarscreditblog.com/uncategorized/top-five-predictions-about-the-future-of-driverless-cars/
9. "You won't need a driver's license by 2040." September 18, 2012. CNN article includes quotations from me. http://www.cnn.com/2012/09/18/tech/innovation/ieee-2040-cars/index.html
8. "You won't need a driver's license by 2040." September 17, 2012. Wired.com article includes quotations from me. http://www.wired.com/autopia/2012/09/ieee-autonomous-2040/
7. "How Self-Driving Cars Will Change Transportation." September 10, 2012. MSN.com Autos article includes quotations from me. http://editorial.autos.msn.com/blogs/autosblogpost.aspx?post=fd1dd24a-7eea-4a00-8a97-dd7c3aab7a1c
6. "Look Ma, No Hands! Expert Members of IEEE Identify Driverless Cars As Most Viable Form of Intelligent Transportation Dominating the Roadway by 2040 and Sparking Dramatic Changes in Vehicular Travel." September 5, 2012. PR Newswire article includes quotations from me. http://www.prnewswire.com/news-releases/look-ma-no-hands-168623236.html
5. "Look Ma, No Hands!" September 2, 2012. IEEE News Release includes quotations from me. http://www.ieee.org/about/news/2012/5september_2_2012.html
4. "Jeff Miller and ITS Help Anchorage Address a National Dilemma." *Transportation Communications Newsletter*, April 25, 2012, ISSN 1529-1057.
3. *Alaska University Transportation Center Spotlight Column*, based on my research in Intelligent Transportation Systems in Alaska, March 2012.
2. *IEEE Intelligent Transportation Systems Magazine Editor-in-Chief's Column*, announcing me as the incoming Editor-in-Chief of the ITS Magazine, winter 2011.
1. *Sustainable City Network Article by Randy Rodgers,* April 20, 2011. http://www.sustainablecitynetwork.com/topic_channels/transportation/article_ca00cf16-69db-11e0-9b0e-001a4bcf6878.html?mode=story

Teaching

I have taught at four different universities, and a summary of my student evaluations for all the sections of classes I taught are included in the following tables. The first table provides a summary. I have taught 6,391 students from 2002 to present in 36 different class topics and 155 different sections. 2,604 students (40.7% of total students) provided evaluations of my teaching. On the question asking about my effectiveness as an instructor, I have an average score of 4.44 out of 5.

I have taught classes in-person, remotely, and in hybrid modalities. I have experimented with different teaching pedagogies throughout my career, including both active and passive learning, and I have modified classes based on feedback from students, my peers, and my own observations. I have given hand-written exams, multiple choice exams, programming exams, and combinations of each, utilizing the latest research in helping me to design assessments that most accurately measure the knowledge that a student was expected to gain throughout the course.

I believe that education needs to occur inside and outside of the classroom. The interaction with students during office hours and discussions after class all lead to a rich understanding of material related to the class as well as unrelated material. Some of the best student interactions I have had occurred outside of the classroom, typically during office hours or in the lab. Just as technology needs to be adapted to changing conditions, I believe that the traditional teaching paradigm should be adjusted based on the class and effectiveness of different methods of information dissemination. The goal of teaching is for students to learn, and different modalities are necessary to meet students where they are and provide them with a positive learning experience. I have been able to facilitate my students giving back through their education with K12 outreach programs.

Summary

University	Years	# Different Class Topics	# Sections	# Students	# Responses	Overall Instructor Rating (average)
SUU	2022-present	1	3	69	20 (29.0%)	4.85
USC	2014-2022	6	79	5,011	1,768 (35.3%)	4.29
UAA	2007-2013	15	37	465	167 (35.9%)	3.99
CSULA	2002-2007	14	36	846	649 (76.7%)	4.61
Total		**36**	**155**	**6,391**	**2,604 (40.7%)**	**4.44 (average)**

The following table provides the class title for each course I taught at each institution.

University	Class Number	Class Title
SUU	CS 4800	Computer Science Capstone Project
	AVTN 4700 CSCY 4850 ENGR 4900 MATH 4700 ME 4900 TECH 4900	Insights with Industry Experts
USC	ITP 115	Introduction to Python Programming
	ITP 116	Accelerated Programming in Python
	CSCI 103L	Introduction to Programming
	CSCI 201L	Principles of Software Development
	CSCI 401	Capstone: Design and Construction of Large Software Systems
	CSCI 490	Directed Research
	CSCI 570	Analysis of Algorithms
UAA	CS 110	Programming in Java
	CSE 102	Introduction to Computer Systems
	CSE 205	Introduction to C Programming for Engineers
	CSE 215	Object-Oriented C++ Programming for Engineers
	CSE 394B	Engineering Systems Administration
	CSE 342	Digital Circuits Design
	CSE 355	Computer Networking for Engineers
	CSE 438	Design of Computer Systems Engineering
	CSE 442	VLSI Circuit Design
	CSE 465	Network Security
	CSE 497	Independent Study
	ES 309	Elements of Electrical Engineering
CSULA	CS 120	Introduction to Web Site Development
	CS 122	Introduction to SQL and Databases
	CS 201	Introduction to Programming
	CS 202	Introduction to Object-Oriented Programming
	CS 203	Programming with Data Structures
	CS 242	C Programming
	CS 301	Computer Ethics in the Information Age
	CS 312	Algorithm Design and Analysis
	CS 320	Web and Internet Programming
	CS 386	Introduction to Automata Theory
	CS 420	Enterprise Architecture
	CS454	Java for C++ Programmers
	CS 488	Compilers
	CS 490	Undergraduate Computer Science Wrap-Up Course
	CS 499	Directed Study

Southern Utah University (SUU)

Year	Semester	Class	# Students	# Responses	Overall, the instructor was effective at providing a valuable learning experience. (average)
2023	Spring	CS 4800	13	6 (46.2%)	5.00
2024	Spring	CS 4800	18	5 (27.7%)	5.00
2025	Spring	CS 4800	38	9 (23.7%)	4.56
		Total	**69**	**20 (29.0%)**	**4.85 (average)**

University of Southern California (USC)

Year	Semester	Class	# Students	# Responses	Overall, how would you rate this instructor? (average)
2014	Spring	CSCI 103	31	26	4.19
2014	Spring	CSCI 201	33	19	4.61
2014	Spring	CSCI 201	27	10	4.20
2014	Summer	CSCI 201	17	14	4.43
2014	Fall	CSCI 201	30	11	3.82
2014	Fall	CSCI 201	61	23	4.04
2014	Fall	CSCI 477a	94	46	3.22
2014	Fall	CSCI 570	57	25	4.38
2014	Fall	CSCI 570	57	30	4.37
2014	Fall	CSCI 570	56	32	4.48
2014	Fall	CSCI 570	58	33	4.64
2015	Spring	CSCI 201	67	18	4.50
2015	Spring	CSCI 201	48	15	4.27
2015	Spring	CSCI 477b	80	20	4.20
2015	Spring	CSCI 570	28	17	4.88
2015	Spring	CSCI 570	50	27	4.85
2015	Spring	CSCI 570	21	8	5.00
2015	Spring	CSCI 570	27	18	4.61
2015	Summer	CSCI 201	7	2	5.00
2015	Summer	CSCI 570	14	13	4.90
2015	Fall	CSCI 201	57	17	3.94
2015	Fall	CSCI 201	32	14	3.71
2015	Fall	CSCI 201	68	25	3.17
2015	Fall	CSCI 401	62	9	4.44
2016	Spring	CSCI 201	36	13	4.38
2016	Spring	CSCI 201	53	20	4.55
2016	Spring	CSCI 201	57	22	4.27
2016	Spring	CSCI 401	91	28	3.21
2016	Spring	CSCI 570	71	42	4.62
2016	Spring	CSCI 570	60	23	4.78
2016	Spring	CSCI 570	59	31	4.77
2016	Spring	CSCI 570	69	35	4.74
2016	Summer	CSCI 201	20	4	4.00
2016	Fall	CSCI 201	76	37	4.27
2016	Fall	CSCI 201	52	23	4.43
2016	Fall	CSCI 201	66	23	4.52
2016	Fall	CSCI 401	95	27	4.15
2017	Spring	CSCI 201	21	11	3.91
2017	Spring	CSCI 201	56	25	3.76
2017	Spring	CSCI 201	53	25	4.00

Year	Semester	Class	# Students	# Responses	Overall, how would you rate this instructor? (average)
2017	Spring	CSCI 401	95	28	4.57
2017	Summer	CSCI 201	18	9	3.56
2017	Fall	CSCI 201	81	36	3.53
2017	Fall	CSCI 201	53	18	3.83
2017	Fall	CSCI 201	70	31	3.97
2017	Fall	CSCI 401	90	30	4.45
2018	Spring	CSCI 201	21	8	4.88
2018	Spring	CSCI 201	59	19	4.00
2018	Spring	CSCI 201	58	16	4.13
2018	Spring	CSCI 401	145	39	3.97
2018	Summer	CSCI 201	20	0	-
2018	Fall	CSCI 201	79	27	3.78
2018	Fall	CSCI 201	80	32	3.91
2018	Fall	CSCI 201	81	30	4.13
2018	Fall	CSCI 401	98	24	3.82
2019	Spring	CSCI 201	36	11	4.09
2019	Spring	CSCI 201	59	33	4.03
2019	Spring	CSCI 201	59	20	4.05
2019	Spring	CSCI 401	128	28	3.93
2019	Fall	CSCI 401	100	64	4.27
2019	Fall	ITP 115	28	16	4.31
2019	Fall	ITP 115	57	36	4.53
2019	Fall	ITP 115	23	11	4.80
2019	Fall	ITP 115	27	12	4.25
2020	Spring	CSCI 201	181	42	4.61
2020	Spring	CSCI 401	155	35	4.27
2020	Summer	CSCI 201	36	8	4.75
2020	Fall	CSCI 401	115	30	4.28
2020	Fall	ITP 115	59	23	4.61
2020	Fall	ITP 115	43	16	4.94
2021	Spring	CSCI 401	232	54	4.26
2021	Spring	ITP 116	42	13	4.62
2021	Spring	ITP 116	27	16	4.94
2021	Fall	CSCI 401	159	18	3.63
2021	Fall	ITP 116	32	11	4.64
2021	Fall	ITP 116	38	15	4.53
2022	Spring	CSCI 401	200	23	3.87
2022	Spring	ITP 116	53	12	4.64
2022	Spring	ITP 116	57	13	5.00
		Total	**5,011**	**1,768 (35.3%)**	**4.29 (average)**

University of Alaska Anchorage (UAA)

Year	Semester	Class	# Students	# Responses	I rate this instructor an excellent teacher. (average)
2007	Fall	ES 309	21	0	-
2008	Spring	CSE 394A	1	0	-
2008	Spring	CSE 394B	1	0	-
2008	Spring	ES 309	16	1	-
2008	Fall	CSE 205	4	3	3.30
2008	Fall	CSE 215	1	0	-
2008	Fall	ES 309	26	6	3.30
2009	Spring	CSE 205	15	6	3.30
2009	Spring	CSE 215	9	4	2.80
2009	Spring	ES 309	29	19	3.50
2009	Fall	CSE 215	16	10	3.00
2009	Fall	CSE 342	1	0	-
2009	Fall	CSE 355	6	0	-
2010	Spring	CSE 215	9	7	4.10
2010	Spring	CSE 438	1	0	-
2010	Spring	CSE 442	3	0	-
2010	Fall	CSE 215	13	3	4.70
2010	Fall	CSE 342	2	0	-
2010	Fall	CSE 355	3	0	-
2011	Spring	CSE 215	15	13	4.30
2011	Spring	CSE 355	12	10	4.70
2011	Fall	CSE 205	10	8	4.00
2011	Fall	CSE 215	28	5	3.20
2011	Fall	CSE 465	8	6	4.80
2012	Spring	CSE 102	22	6	3.30
2012	Spring	CSE 215	35	4	4.30
2012	Spring	CSE 355	15	4	4.30
2012	Fall	CSE 205	17	10	4.30
2012	Fall	CSE 215	23	17	4.20
2012	Fall	CSE 465	6	3	5.00
2013	Spring	CSE 102	24	6	4.30
2013	Spring	CSE 355	15	6	4.00
2013	Spring	CSE 438	5	4	4.30
2013	Spring	CSE 497	4	0	-
2013	Summer	CS 110	22	6	4.80
2013	Fall	CSCE 205	12	0	-
2013	Fall	CSCE 465	15	0	-
		Total	**465**	**167 (35.9%)**	**3.99 (average)**

California State University, Los Angeles (CSULA)

Year	Semester	Class	# Students	# Responses	How would you rate this instructor's teaching ability? (average)
2002	Spring	CS 202	29	21	4.48
2002	Spring	CS 488	16	14	4.68
2002	Summer	CS 203	21	15	4.28
2002	Summer	CS 454	25	24	4.65
2002	Summer	CS 454	25	22	4.88
2002	Fall	CS 312	23	22	4.80
2002	Fall	CS 203	20	18	4.46
2003	Winter	CS 312	23	17	4.44
2003	Winter	CS 420	18	17	4.61
2003	Spring	CS 201	25	17	4.78
2003	Spring	CS 488	16	15	4.55
2003	Spring	CS 490	21	17	4.70
2003	Summer	CS 320	27	25	4.73
2003	Summer	CS 386	21	17	4.71
2003	Fall	CS 420	20	18	5.00
2003	Fall	CS 490	15	11	4.75
2004	Winter	CS 320	25	24	4.71
2005	Summer	CS 120	26	21	4.13
2005	Summer	CS 122	18	13	4.29
2005	Fall	CS 120	27	17	4.36
2006	Winter	CS 120	29	22	4.36
2006	Winter	CS 420	16	16	4.11
2006	Spring	CS 386	28	28	4.55
2006	Fall	CS 120	28	15	4.53
2006	Fall	CS 312	27	19	4.65
2007	Winter	CS 120	24	17	4.76
2007	Winter	CS 242	28	24	4.63
2007	Winter	CS 320	32	21	4.75
2007	Winter	CS 420	16	12	4.44
2007	Spring	CS 202	20	17	4.79
2007	Spring	CS 203	17	12	4.54
2007	Spring	CS 301	21	12	4.93
2007	Spring	CS 320	31	21	4.88
2007	Summer	CS 120	34	16	4.78
2007	Summer	CS 203	21	14	4.23
2007	Summer	CS 242	33	18	4.90
		Total	**846**	**649 (76.7%)**	**4.61 (average)**

Mentoring

Faculty

- SUU Department Chairs, Staff, and Faculty – As the Dean of the College of Engineering and Computational Sciences, I provide mentorship to four department chairs, one program director, five staff, and 60 full-time faculty.
- ITP Faculty – As the Chair of the department, I provided mentorship to all full-time and part-time faculty, which includes over 50 faculty, from 2019-2022
- Prof. Yoofi Quansah – Part-Time Lecturer in Information Technology at USC, 2020-present
- Prof. Aaron Cote – Senior Lecturer in Computer Science at USC, 2015-2017
- Prof. Nicholas Kirsch – Associate Professor in Electrical and Computer Engineering at the University of New Hampshire. When Prof. Kirsch was standing for promotion to associate professor with tenure in 2014-2015, I was the external committee member on his promotion and tenure committee.

Ph.D. Student (external member)

- Mohammad Hoque – Dr. Hoque was a Ph.D. student in Computer Science at the University of Alabama. I was the external committee member on his dissertation committee, which he successfully defended on April 25, 2012. Dr. Hoque is now an Assistant Professor in the Department of Computing at East Tennessee State University.

K12 Teachers

K12 Outreach Camps

2024 (SUU/BZI Youth Engineering Academy)

Leslie Baker, Courtney Wessling, Ronni Peck, Emily Romero

2023 (SUU/BZI Youth Engineering Academy)

Richard Edwards, Ashley Hunt, Codi Miller, Kalyn Salgado, Jennifer Springer

Teaching Assistants

Semester	USC Class	Level	Student
Spring 2014	CSCI 201	Bachelor's	Monroe Ekilah
		Ph.D.	Mahdi Azmandian
Summer 2014	CSCI 201	Bachelor's	Matt Carey
		Ph.D.	Xing Shi
Fall 2014	CSCI 201	Bachelor's	Matt Carey, Steven Francus, Ryan Chase, Vincent Ho, Michael Qian, Ford Filer, Wayne Chi, Kenneth Chang, Holly Mitchell, Samir Lavingia, Oceane Bel
		Master's	Animesh Sinha, Ankush Prasad, Srikanth Kumbham, Divya Swaminathan
	CSCI 401/477a	Master's	Dharmik Kumar, Karthik Kumarguru
		Ph.D.	Youn Kyu Lee, Gholamreza Safi
Spring 2015	CSCI 201	Bachelor's	Matt Carey, Ford Filer, Ryan Chase, Steven Francus, Michael Qian, Wayne Chi, Kenneth Chang, Oceane Bel, Brent Johnson, Elsie Tue
		Master's	Animesh Sinha, Ankush Prasad, Srikanth Kumbham, Divya Swaminathan
		Ph.D.	Jason Gui
	CSCI 401/477b	Ph.D	Youn Kyu Lee
Fall 2015	CSCI 201	Bachelor's	Matt Carey, Ford Filer, Michael Qian, Kenneth Chang, Oceane Bel, Brent Johnson, Robyn To, Vincent Jin, Brandon Au, Joseph Chen, Emma Lautz, Sheng Chen, Kevin Yang

		Master's	Animesh Sinha, Ankush Prasad, Divya Swaminathan, Salonee Rege
		Ph.D.	Kien Nguyen
	CSCI 401	Master's	Mahesh Ganesamoorthi
Spring 2016	CSCI 201	Bachelor's	Matt Carey, Kenneth Chang, Oceane Bel, Robyn To, Vincent Jin, Brandon Au, Joseph Chen, Sheng Chen, Kevin Yang, Alana Kamahele-Sanfratello, Maxwell Brewin, Dana Thomas, Ritvik Salim, Jessica Lai
		Master's	Salonee Rege, Mahesh Ganesamoorthi, Surabhi Raje
		Ph.D.	Kien Nguyen
Summer 2016	CSCI 201	Bachelor's	Ritvik Salim
		Master's	Keerthan Harish
		Ph.D.	TJ Collins
Fall 2016	CSCI 201	Bachelor's	Alana Kamahele-Sanfratello, Anthony Tu, Caleb Simmeth, Carl Eubanks, Dana Thomas, Davina Zahabian, Edgar Lugo, Emma Lautz, Jason Lin, Jeffrey Vaudrin-McLean, Lucas Anfang, Matteo Tanaka, Maxwell Brewin, Robyn To, Samuel Sintz, Sondhayni Murmu, Uddhav Joglekar
		Master's	Keerthan Harish, Mahesh Ganesamoorthi, Priya Ananthasankar
		Ph.D.	Kien Nguyen
	CSCI 401	Master's	Priyanka Shah, Jimmy Chen
Spring 2017	CSCI 201	Bachelor's	Alana Kamahele, Andrew Jiang, Anthony Tu, Caleb Simmeth, Dana Thomas, Edgar Lugo, Emma Lautz, Howard Gil, Janson Lau, Jeffrey Vaudrin-McLean, JonLuca DeCaro, Matteo Tanaka, Michelle Yin, Ninareh Mehrabi, Peter Kaminski, Robyn To, Ruth Libowsky, Sam Sintz, Sondhayni Murmu, Uddhav Joglekar, Zilong Xiao
		Master's	Priyanka Shah
		Ph.D.	Kien Nguyen
	CSCI 401	Ph.D.	Reem Alfayez
Summer 2017	CSCI 201	Bachelor's	Ninareh Mehrabi, Ruth Libowsky
		Ph.D.	Reem Alfayez
Fall 2017	CSCI 201	Bachelor's	Annie Song, Anthony Tu, Courtney Vu, Daniel Mizrahi, Emma Lautz, Enoch Hang, Helena Rhee, Janson Lau, Jennifer Anthony, Jesse Werner, Jiuchang Zhang, JonLuca DeCaro, Matteo Tanaka, Melody Chai, Michelle Yin, Ming Chen, Natalie Monger, Nicholas Thompson, Ninareh Mehrabi, Peifei Li, Peter Kaminski, Qing Ye, Ruth Libowsky, Sebastian Rinkema, Sondhayni Murmu, Uddhav Joglekar, Yuzhou Ge, Ziqian Gu
		Master's	Anshul Rawat, Rishabh Tyagi
		Ph.D.	Sarik Ghazarian
	CSCI 401	Ph.D.	Reem Alfayez
Spring 2018	CSCI 201	Bachelor's	Annie Song, Archana Venkatesh, Daniel Mizrahi, Emma Lautz, Enoch Hang, Hrishi Vora, Jiuchang Zhang, JonLuca DeCaro, Matteo Tanaka, Melody Chai, Ming Chen, Nikita Pashintsev, Peifei Li, Qing Ye, Ruth Libowsky, Scott Kriesberg, Sebastian

			Rinkema, Sondhayni Murmu, Uddhav Joglekar, William Wang, Ziqian Gu
		Ph.D.	Sarik Ghazarian
	CSCI 401	Ph.D.	Reem Alfayez, Brian Cohn
Summer 2018	CSCI 201	Bachelor's	Daniel Mizrahi, Emily Jin, Ethan Xiong, Noah Forman
		Ph.D.	Reem Alfayez
Fall 2018	CSCI 201	Bachelor's	Alina Abidi, Anant Chandra, Anav Batra, Andrew Hutchinson, Anthony Martinez, Aya Shimizu, Catherine Chung, Cindy Clarissa, Daniel Mizrahi, Emily Jin, Enoch Hang, Hrishi Vora, Isabelle Tobolski, Jae Woong Jung, James Oeth, Jialou Wang, Judy Zhang, Peijia Lu, Qing Ye, Tanay Shah, William Wang, Zifan Shi, Ziqian Gu
		Ph.D.	Reem Alfayez
Spring 2019	CSCI 201	Bachelor's	Adelayde Rome, Adina Kruijssen, Anant Chandra, Andrew Hutchinson, Bryan Van Horn, Cindy Clarissa, Daniel Mizrahi, Emily Jin, Boyuan Xu, Jae Woong Jung, Joel Joseph, Kevin Yeung, Natasha Thakur, Nikita Takru, Roopal Kondepudi, Utsav Thapa, William Wang, Ziqian Gu
		Ph.D.	Reem Alfayez
Fall 2019	ITP 115	Bachelor's	Claire Powers, Srishti Miglani, Claudia Herrera, Nalin Goel, Hannah Chong, Ekta Trivedi, Andrew Garcia
	CSCI 401	Ph.D.	Suhrid Karthik
Spring 2020	CSCI 201	Bachelor's	Andrew Hutchinson, Aya Shimizu, Anna Shott, Austin Traver, Boyuan Xu, Connor Buckley, Daniel Mizrahi, Ethan Fridley, Hekmat Barbar, Emily Jin, Roopal Kondepudi, Miles Pham, Philip Jung, Swapnil Patel, Ziqian Gu
		Ph.D.	Reem Alfayez, Kan Chi
	CSCI 401	Ph.D.	Suhrid Karthik
Summer 2020	CSCI 201	Bachelor's	Austin Traver, Boyuan Xu, Conor McCormack, Ryan Zheng
		Ph.D.	Reem Alfayez, Patricia Chaffey, Kan Chi
Fall 2020	ITP 115	Bachelor's	Mehr Sethi, Claudia Herrera, Henry Morales, Michael Chang, Philana Williams, Monica Gan
	CSCI 401	Master's	Hanieh Arabzadehghahyazi
		Ph.D.	Reem Alfayez
Spring 2021	ITP 116	Bachelor's	Amanda Horton, Michael Chang, Jack Xu
	CSCI 401	Master's	Hanieh Arabzadehghahyazi, Ankit Dalal
		Ph.D.	Rajat Tandon, Yang Chen
Fall 2021	ITP 116	Bachelor's	Amanda Horton, Jack Xu, Megan Friedenberg
	CSCI 401	Master's	Hanieh Arabzadehghahyazi, Hunny Vankawala
		Ph.D.	Sandeep Kollannur
Spring 2022	ITP 116	Bachelor's	Amanda Horton, Megan Friedenberg, Riley Carlin, Margot Meldefontenay
	CSCI 401	Master's	Vinay Gowdara Raj
		Ph.D,	Yang Chen, Thomas Groechel, William Borie

Master's Students

Master's Student Advisor

Andrew Bare - I was the primary advisor for Andrew, a Master of Science student in Green Technologies in the Electrical Engineering department. Andrew's thesis was entitled, "Routing Traffic to Prioritize the Entire Network instead of Individual Vehicles." He successfully presented his thesis on December 14, 2016, to graduate in fall 2016.

K12 Outreach Camp TAs

2015 (USC CS@SC Camps)

Abhishek Radhakrishnan, Madhu Ramiah, Salonee Rege, Shruti Zamwar, Shweta Pargaonkar, Surabhi Raje, Yamini Goyal

2016 (USC CS@SC Camps)

Arpita Agrawal, Pablo Fernandez, Priya Ananthasankar, Priyanka Shah

2017 (USC CS@SC Camps)

Akanksha Tyagi, Anika Jain, Anshul Rawat, Anurag Mantripragada, Chia Hung Lee, Deepack Singh, Dipti Kothari, Kexuan Sun, Neeharika Gopikrishna, Prakarsh Upmanyu, Rishabh Tyagi, Sayali Ghaisas, Sayantan Ghosh, Shanshang Li, Shaohui Qian, Vishweshwer Shastri, Zeeshan Abid

2018 (USC CS@SC Camps)

Ashley McCarley, Chloe Choe

2019 (USC CS@SC Camps)

Jodi Kourdi, Yuhan Qiu, Ekta Trivedi, Ya Wu, Gitanshu Sardana, He Wang, Prasanna Natarajan

2024 (SUU/BZI Youth Engineering Academy)

Leslie Baker, Courtney Wessling

Undergraduate Students

USC Viterbi Student-Alumni Mentoring Program (VSAMP)

2015-2016

Sebastian Rinkema – I participated in VSAMP during the 2015-2016 academic year and mentored Sebastian. He is a Computer Engineering and Computer Science transfer student who graduated in Fall 2018.

K12 Outreach Camp TAs

2015 (USC CS@SC Camps)

Robyn To, Joseph Chen, Yimin Jia

2016 (USC CS@SC Camps)

Christiane Snyder, Christopher Aguilera, Edgar Lugo, Hector Amaya, Jalin Marks, Jeffrey Vaudrin-McLean, Kobe Lee, Kourtney Chima, Matteo Tanaka, Nicholas Roewe, Osagie Ero, Samuel Sintz, Sarah Wu, Sondhayni Murmu, Sophia Spackova

2017 (USC CS@SC Camps)

Annie Song, Arfan Rehab, Aya Shimuzu, Cheng Cheng, Courtney Vu, Eduardo Marin, Emily Wittkowske, Enoch Hang, Erica Jung, James Tseng, Jason Kwak, Jesse Werner, Judy Zhang, Melody Chai, Neftali Hernandez, Nicholas Thompson, Sara Binder, Sigifredo Soto

2018 (USC CS@SC Camps)

Andrew Espindola, Anna Shott, Anthony Martinez, Benjamin Rubin, Emily Jin, Eric Choi, Ethan Recinto, Hao Xiong, Hope Kim, Hunter Wilkinson, Joseph Su, Mark Scarsi, Mehr Sethi, Neftali Hernandez, Noah Forman, Stephanie Huynh, Zachary Flores

2019 (USC CS@SC Camps)

Adelayde Rome, Arlyvia Chaialee, Diana Salcedo-Pierce, Ha Young Kong, Hunter Wilkinson, Jessica Chen, Kelly Dickson, Rachel Wang, Sterling Hahn, Tianyi Yu, Yanqiao Gan, Andrew Garcia, Eli Bales, Evan Zamora, Han Gu, Hao Sun, Kevin Zhang, Mingyu Cui, peter Bauman, Matthew Fala, Neftali Hernandez, Anirban Manna

2020 (USC CS@SC Camps)

Aaqib Ismail, Aya Shimizu, Carlos Lao, Christen Clark, Christopher Pack, Jack Zhang, Juan Valderrama, Lauren Okhovat, Lily Perry, Lucia Jia, Lydia DiBlasio, Megan Friedenberg, Neftali Hernandez, Rachel Leipold, Sachi Desale, Stella Miller, Susan Chavez, Victor Udobong, Vivika Kapoor, Xiaomeng (Simone) Li, Xiaoyu (Sunny) Dong, Zohar Rabinovich, Lauren Okhovat, Simone Li, Lucia Jiang, Jack Zhang, Steven Gong, Raymond Liu

2021 (USC CS@SC Camps)

Anika Shrivastava, Chloe Stonecipher, Edward Cheng, James Kasaba, Jessica Cheung, Joseph Worthington, Maria Ashby, Micaela Mengen, Neha Halebeed, Nia Rae Ignacio, Riyana Gobin, Sahithi Lingampalli, Sana Jain, William Zou, Chelcie Tjoeng, Alexander Fox, Christopher Pack, Eric Zhou, Jenny Kim, Maria Tangalos, Noah Ha, Pau Sang, Peter Henry, Rose Gasser, Yasmin Gil, Yifeng Yu, Zuoning Zhang, Gary Yang, Carolyn Luo, Austin Traver, Abhaya Krishnan-Jha, Alexander Fox, Allison Oseguera, Alysha Kanjiyani, Amanda Horton, Angela Jarquin, Angelina Lee, Arnav Singh, Aurana Lo, Brad Barakat, Carlos Lao, Chris Kim, Christopher Pack, Elain Guo, Eric Zhou, Gabriella Martinez, Galila Amedie, Hassan Shah, Jadie Minkoff, Jaemyung Choi, Jay Lin, Jenny Kim, Jodie-Ann Duquesnay, John La, Joseph Mulholland, Julia Lim, Kaley Tien, Maria Tangalos, Neftali Hernandez, Noah Ha, Olivia Du, Rachel Bakke, Raymond Kuan, Olivia Gasser, Shirley Su, Steven Hernandez, Uma Durairaj, William Chang, William Liu, Winfield Zhao, Yasmin Gil, Yifeng Yu, Zuoning Zhang

2023 (SUU/BZI Youth Engineering Academy)

Rodrigo Armaza, Evelyn Jacobsen, Beeliada Lola, Allison Munro, Melissa Munro, Thomas Munro, Malena Wilken

2024 (SUU/BZI Youth Engineering Academy)

Eva Frey, Beeliada Lola, Allison Munro, Melissa Munro, Thomas Munro, Hannah Springer, Keigan LeFevre, Shekina Masengo, Rodrigo Armaza, Camille Martinez, Leona Lombardi, Jessica Adams

Directed Research Students

Spring 2016

Daler Asrorov – Block-based vs Non-Block-based Start for K12 Programming

Spring 2017

Howard Gil – K12 Computer Science Inequities
Ilia Labkovsky – Technologies Concerning Self-Driving Vehicles
Abhishek Mantha – Self-Driving Simulation Development

Fall 2017

Ilia Labkovsky – Technologies Concerning Self-Driving Vehicles
Janson Lau – Technologies Concerning Self-Driving Vehicles
Courtney-Lynn Presto – K12 Computer Science Inequities

Spring 2018

Abhishek Mantha – Self-Driving Simulation Development
Ilia Labkovsky – Technologies Concerning Self-Driving Vehicles
Courtney-Lynn Presto – K12 Computer Science Inequities

Summer 2020

Andrew Hutchison – Analysis of Code Comparator Applications for Detecting Plagiarism

Recommendations Provided (335 total)

2014 (3 total)

Chapman Lee, Kelsey Fargas, Matthew Carey

2015 (15 total)

Derrick Choi, Woye Lin, Shikhar Gupta, Geoffrey Knopf, Kaiwen Shi, Alexander Wormuth, Emma Smith, Julia Lin, Stephanie Reagle, Dizhen Lu, Theodore Monyak, Courtney-Lynn Presto, Jessica Koe, Oceane Bel, Kenneth Chang

2016 (27 total)

Amir Williams, Gary Saunders, Charisa Saunders, Zhenyu Fu, Shweta Pargaonkar, Vincent Jin, Erica Engle, Rena Chen, Sheng Chen, Dana Thomas, Jason Lin, Jason Kwak, Rahul Pradhan,

Wenfei Cao, Benny Lau, Jonathan Grant, Emile Indik, Alana Kamahele, Christopher O'Brien, Minghui Wanghan, Nicholas Roewe, Conner Frey, Ji Zhang, Alexander Kingsborough, Yoofi Quansah, Edgar Lugo, Yingyu Wu

2017 (53 total)

Alana Kamahele, Alexander Kingsborough, Mitali Karmarkar, Keerthan Vasist, Yoofi Quansah, Samuel Sintz, Rama Gosula, Kobe Lee, Rachit Kataria, Dong Fengyuan, Uddhav Joglekar, Jonathan Luu, Mengyao He, Xiaoyang Liao, Adrian Sunga, Sang Woon Lee, Jacob Antony, Catherine Chung, Prateek Bhatia, Mazen Azar, Keith Redmill, Kelsey Valentine, Jennifer Anthony, Hunter Hurja, Nikhil Cherukuri, Jiaqi Lou, Ming Chen, Ziqian Gu, Kuiren Su, Ruyin Shao, Ramiro Mendoza-Axle, Alexina Boudreaux-Allen, Ninareh Mehrabi, Vivek Ramachandran, Utsav Thapa, David Gerry, Saty Raghavachary, Raymond Dam, Utkash Dubey, Jacob Rey, Ninareh Mehrabi, Arfan Rehab, Jie He, Natalie Monger, Zilong Xiao, Elizabeth Chu, Zhi Wang, Yifei Liu, Jiaxin Cheng, Ze Xiao, Henry Keane, Qing Ye, Yi Wang

2018 (47 total)

Ahsan Zamad, William Wang, Peijia Lu, Zhengyu Yang, Xiaoyang Liao, Ziqian Gu, Alexina Boudreaux-Allen, Sara Wiltberger, Baiyu Huang, Ryan Espiritu, Pengxiang Zu, Dipti Kothari, Sarik Ghazarian, Peter Kaminski, Tianhang Liu, Beyza Bozbey, Eliseo Monzon, Scott Kriesberg, Kinwai Wong, Yang Chen, John Dwyer, Matthew van Niekerk, Janson Lau, Barrett Koster, Samuel Chordas, Anthony Martinez, Jeffrey Hernandez, Nathan Chang, Natalie Pearson, Kartik Mathur, Christopher Pack, Noah Forman, Cindy Clarissa, Kristian Mills, Daniel Kim, Gaurav Baney, Nathan Chang, Zhong Chu, Haoyang Chen, Shih-Bor Lu, Anna Szymanski, Bingtang Wang, Wei Wen Jang, Raisa Ifquat, Tuling Zhao, Runwei Lin, Juntao Shen

2019 (67 total)

Lifan Zhao, Hao Chen, Anav Batra, Yawen Cao, Taixiang Zeng, Ekta Gogri, Ruilin Liu, Xavier Negron, Ruimin Zhang, Gabrielle Roberts, Nathan Shangkala, Adina Kruijssen, Ishan Shah, Justin Kim, Nicholas Yazdani, Jae Woong Jung, Haocheng Song, Sevara Razzakova, Qizun Xie, Sarah Cheung, Virginia Dudley, Eric Su, Ashwin Chakicherla, Tianxing Liu, Haiyu Tian, Beiyou Zhu, Gabrielle Roberts, Jung Choi, Minxuan Song, Boyuan (Jack) Xu, Wei Luo, Luting Wang, Manipushpak Gupta, John La, Cameron Podd, Harshil Shah, Kousheyo Kundu, Claire Powers, Timothy Lupo, Arian Memari, Tianyi Yu, Wenbei Wang, Xing Gao, Yichun Kong, Mingzhe Fang, Nathan Marchant, Vivek Ramachandran, Jung Choi, Adelayde Rome, Gabrielle Sinacola, Amira Ottosson, Ruichen Zhu, Mingyu Cui, Dr. Marco Papa, Yichun Lu, Can Chen, Gabriel Katz, Ziang Liu, Lily Francus, Navneeth Pillai, Jialou Wang, Ekta Gogri, Xiao Jing Jiang, Xingchen Liao, Kaiyuan Yu, Vincent Chen, Rachel Jiang

2020 (55 total)

Feihong Qian, Emily Liu, Sophia Musk-Burton, Michael Chang, Yuming Fei, Kevin Zhang, Adelayde Rome, Mark Scarsi, Buting Xu, Melissa Wen, Alexander Kim, Maryam Nawaz, Tongyu Zhu, Han Gu, Theodore Ilie, Dylan Ah Teck, Shannon Cameron, Muhammad Fariz Attamimi, Yifei Liu, Guillermo Gamboa, Zohar Rabinovich, Sidharth Raguraman, Lauren Hampson, Tim Lupo, Jeremy Yang, Jerry Tejada, Rami Hammoud, Ruchi Shah, Harshal Mulchandani, Kaitlyn Yang, Haeju Jeong, Tianyu Bai, Lung-Young (Eric) Yu, Tatiana Santos, Willie Shen, Jodi Kourdi, Sujun Zhu, Anant Chandra, Yu Zheng, Lauren Krikorian, Sara Etter, Conor McCormack, Alex Doytchinov, John Wright, Sajan Gutta, Henry Yang, Jiuchang Zhang, Sarah Cheung, Christopher Fucci, Jiho Kim, Denny Shen, Monica Gan, Haiwen Chen, Chen Tang, Mingchen Zhang

2021 (32 total)

Kendra Walther, Ao Xu, Khyle Calpe, Hao Sun, Mingyu Cui, Wenhan Fan, Jamie Chen, Annie Le, Zhenghao (Lucas) Dai, Swapnil Patel, Elly Berge, John La, Pei Jou Liu, Kaituo Xu, Hanieh Arabzadehghahyazi, Andrew Hutchinson, Dayu Jiang, Tianyu Bai, Jiayang Li, Sachet Vijay, Ziqian Gu, Amity Tang, Han Gu, Ruyin Shao, Heng (Tiffany) Bo, Miranda Vizcarra, Yan Ho (Nathan) Lau, Zhenghao (Lucas) Dai, Jack Zhang, Sebastian Lopez, Kexin Xu, Xiaoyu (Agnes) Lu

2022 (17 total)

Tianhao Wu, Arjun Mitra, Marco Papa, Jenna Fishman, Justin Yang. Mohib Mirza, Hoai-Huong Nguyen, Fiona McCann, Julie Shi, Lisa Wagner, Maged Jendi, Terry Tang, Victor Udobong, Michelle Zhu, Rena Chen, Sophia Yang, Yimin Jia

2023 (2 total)

Margot Mel de Fontenay, Mohamed Reja Rajati

2024 (7 total)

Jeremy Waite, Jaylee Willis, Rodrigo Armaza, Lihan Zhu, Ziqian Gu, Jay Doshi, Alexander Sierra

2025 (10 total)

Elie Wamana, Jaylee Willis, Jay Doshi, Ryder Vance, Rodrigo Armaza, Jaydan Jensen, Gregg Ibbotson, Linda He, Anant Chandra, Zayd Dridi

Professional Service

Professional Affiliations

- IEEE – member since 2002, Senior Member since 2015
- ACM – member since 2002, Senior Member since 2017
- Educational Testing Service (ETS) Computer Science rater –2016-2022
- ACM Special Interest Group on Computer Science Education (SIGCSE) Member –2014-present
- IEEE Ethics, Society, and Technology Committee Member, 2016-2018
- Computer Science Teachers Association Member, 2016-2022
- IEEE Education Society Member – 2014-2023
- IEEE Communications Society Member –2002-2013
- IEEE Computer Society Member – 2002-2022
- IEEE Intelligent Transportation Systems Society Member –2006-2023
- IEEE Vehicular Technology Society Member –2009-2013
- IEEE Intelligent Transportation Systems Society Board of Governors –2009-2012, 2017-2019
- IEEE Intelligent Transportation Systems Society VP Admin Activities – 2011-2012
- IEEE Intelligent Transportation Systems Society Best Ph.D. Dissertation Committee – 2011, 2012, 2013, 2017
- IEEE Vehicular Technology Society Board of Governors –2011-2013
- IEEE Vehicular Technology Society Conference Committee – 2011-2013
- Intelligent Transportation Society of Alaska President – 2010-2011
- IEEE Alaska Section Chair – January 2011-December 2011
- IEEE Alaska Section Treasurer – 2010
- IEEE Region 6 Northwest Area Awards Chair – 2012-2013
- IEEE-USA's Career and Workforce Policy Committee – 2011-2013
- IEEE-USA's Committee on Transportation and Aerospace Policy – 2011-2013
- Intelligent Transportation Society of Alaska Member – 2009-2013
- University of Alaska, Anchorage ACM Student Chapter Faculty Advisor – 2008-2011
- Municipality of Anchorage (MOA) Anchorage Metropolitan Area Transportation Solutions (AMATS) Freight Advisory Committee – 2010-2013
- Municipality of Anchorage (MOA) Anchorage Metropolitan Area Transportation Solutions (AMATS) Intelligent Transportation Systems Advisory Committee – 2013

Journal and Conference Publication Service

- Editor-in-Chief
  - ACM Special Interest Group on Computer Science Education (SIGCSE) Bulletin, April 2019-March 2022
  - IEEE Intelligent Transportation Systems Magazine, January 2012-December 2013
- Associate Editor
  - IEEE Transactions on Intelligent Transportation Systems, 2010-2019
  - IEEE Intelligent Transportation Systems Magazine Guest Editor – Traffic Simulators, Fall 2010
  - IEEE Intelligent Transportation Systems Magazine, 2009- 2011
- Editorial Board
  - IEEE Intelligent Transportation Systems Society Monthly Podcast, 2013-present
- Journal Publication Reviewer
  - IEEE Access, 2018
  - IEEE Transactions on Intelligent Transportation Systems, 2007-2018
  - MDPI Algorithms Journal, 2013
  - ACM Transactions on Interactive Intelligent Systems, 2012
  - IEEE Transactions on Vehicular Technology, 2012
  - Elsevier Simulation Modeling Practice and Theory, 2012
  - IEEE Vehicular Technology Magazine, 2011
  - IEEE Intelligent Transportation Systems Magazine, 2010-2011
  - EURASIP Journal on Advances in Signal Processing, 2009

- IEEE Communications Magazine, 2007-2009

- Conference Proceedings Reviewer
  - *IEEE 21st Intelligent Transportation Systems Conference*, Maui, Hawaii, USA, November 2018.
  - *IEEE 13th Intelligent Vehicles Symposium*, Redondo Beach, California, USA, June 2017.
  - *IEEE 20th Intelligent Transportation Systems Conference*, Yokohama, Japan, September 2017.
  - *IEEE 18th Intelligent Transportation Systems Conference*, Canary Islands, Spain, September 2015.
  - *IEEE 17th Intelligent Transportation Systems Conference*, Qingdao, China, October 2014.
  - *IEEE 16th Intelligent Transportation Systems Conference*, the Hague, the Netherlands, October 2013.
  - *IEEE 78th Vehicular Technology Conference*, Las Vegas, Nevada, USA, September 2013.
  - *IEEE 9th Intelligent Vehicles Symposium*, Gold Coast, Australia, June 2013.
  - *IEEE International Conference on Industrial Technology*, Cape Town, South Africa, February 2013.
  - *IEEE 15th Intelligent Transportation Systems Conference*, Anchorage, Alaska, USA, September 2012.
  - *IEEE 76th Vehicular Technology Conference,* Quebec City, Quebec, Canada, September 2012.
  - *IEEE 8th Intelligent Vehicles Symposium*, Alcala de Henares, Spain, June 2012.
  - *IEEE 8th International Conference on Information, Communications, and Signal Processing*, Shangri-La, Singapore, December 2011.
  - *IEEE 2011 Systems, Man, and Cybernetics Conference*, Anchorage, Alaska, USA, October 2011.
  - *IEEE 74th Vehicular Technology Conference,* San Francisco, California, USA, September 2011.
  - *IFAC 18th World Congress,* Milano, Italy, August 2011.
  - *IEEE 7th Intelligent Vehicles Symposium*, Baden-Baden, Germany, June 2011.
  - *IEEE 1st Forum on Integrated and Sustainable Transportation Systems*, Vienna, Austria, June 2011.
  - *IEEE 73rd Vehicular Technology Conference*, Budapest, Hungary, May 2011.
  - *IEEE 13th Intelligent Transportation Systems Conference*, Madeira, Portugal, September 2010.
  - *IEEE Workshop on Vehicular Networking and Applications,* co-located with *IEEE International Conference on Communication,* Cape Town, South Africa, May 2010.
  - *IEEE 13th International Multitopic Conference*, Islamabad, Pakistan, December 2009.
  - *IEEE 7th International Conference on Information, Communications, and Signal Processing*, Macau, China, December 2009.
  - *IEEE 12th Intelligent Transportation Systems Conference*, St. Louis, Missouri, USA, October 2009.
  - *IEEE 1st Vehicular Networking Conference*, Tokyo, Japan, October 2009.
  - *IEEE 70th Vehicular Technology Conference,* Anchorage, Alaska, USA, September 2009.
  - *IEEE 69th Vehicular Technology Conference*, Barcelona, Spain, April 2009.
  - *IEEE 3rd Workshop on Automotive Networking and Applications*, co-located with *IEEE Global Communication Conference 2008*, New Orleans, Louisiana, USA, December 2008.
  - *IEEE 11th Intelligent Transportation Systems Conference,* Beijing, China, October 2008.
  - *3rd International Symposium of Transport Simulation*, Queensland, Australia, August 2008.
  - *IEEE 4th Vehicle-to-Vehicle Communications Workshop,* in conjunction with *IEEE 4th Intelligent Vehicles Symposium*, Eindhoven, The Netherlands, June 2008.
  - *IEEE 4th Intelligent Vehicles Symposium*, Eindhoven, The Netherlands, June 2008.
  - *IEEE 10th Intelligent Transportation Systems Conference*, Seattle, Washington, USA, October 2007.
  - *IEEE 3rd Vehicle-to-Vehicle Communications workshop*, in conjunction with *IEEE 3rd Intelligent Vehicles Symposium*, Istanbul, Turkey, June 2007.

Conference Service

- Conference General Chair
  - *IEEE 78th Vehicular Technology Conference*, Las Vegas, Nevada, USA, September 2013.
  - *IEEE 15th Intelligent Transportation Systems Conference,* Anchorage, Alaska, USA, September 2012.
  - *IEEE 70th Vehicular Technology Conference*, Anchorage, Alaska, USA, September 2009.

- Conference Technical Program Chair
  - *IEEE 74th Vehicular Technology Conference*, San Francisco, California, USA, September 2011.
- Conference Technical Program Co-Chair
  - *IEEE 21st Intelligent Transportation Systems Conference*, Maui, Hawaii, USA, November 2018.
  - *IEEE 19th Intelligent Transportation Systems Conference*, Rio de Janiero, Brazil, October 2016.
  - *IEEE 18th Intelligent Transportation Systems Conference*, Canary Islands, Spain, September 2015.
  - *IEEE 7th Intelligent Vehicles Symposium*, Baden-Baden, Germany, June 2011.
  - *IEEE 1st Forum on Integrated and Sustainable Transportation Systems*, Vienna, Austria, June 2011.
- Conference Technical Program Committee Member
  - *IEEE 20th Intelligent Transportation Systems Conference,* Yokohama, Japan, September 2017.
  - *IEEE 16th Intelligent Transportation Systems Conference,* The Hague, The Netherlands, September 2013.
  - *16th Portuguese Conference on Artificial Intelligence, Artificial Intelligence in Transportation Systems Track*, Azores, Portugal, September 2013.
  - *IEEE 8th International Conference on Emerging Technologies,* Islamabad, Pakistan, October 2012.
  - *IEEE 15th Intelligent Transportation Systems Conference,* Anchorage, Alaska, USA, September 2012.
  - *IEEE 76th Vehicular Technology Conference*, Quebec City, Quebec, Canada, September 2012.
  - *IEEE 14th Intelligent Transportation Systems Conference*, Washington DC, USA, October 2011.
  - *IEEE 2nd Vehicular Networking Conference,* Jersey City, New Jersey, USA, December 2010.
  - *IEEE International Conference on Communications, Vehicular Mobility Workshop*, Cape Town, South Africa, May 2010.
  - *IEEE International Conference on Communications Vehicular Connectivity Workshop*, Cape Town, South Africa, May 2010.
  - *IEEE 1st Vehicular Networking Conference,* Tokyo, Japan, October 2009.
  - *IEEE 69th Vehicular Technology Conference*, Barcelona, Spain, April 2009.
  - *IEEE 4th Intelligent Vehicles Symposium Vehicle-to-Vehicle Communications Workshop*, Eindhoven, The Netherlands, June 2008.
- Conference Publicity Chair
  - *IEEE 13th Intelligent Vehicles Symposium*, Redondo Beach, California, USA, June 2017.
  - *IEEE 13th Intelligent Transportation Systems Conference*, Madeira Island, Portugal, September 2010. (Co-Chair)
- Conference Local Arrangements Chair
  - *IEEE Systems, Man, and Cybernetics Conference 2011*, Anchorage, Alaska, USA, October 2011.
  - *IEEE International Conference on Robotics and Automation*, Anchorage, Alaska, USA, May 2010.
- Conference Awards Committee Member
  - *IEEE 16th Intelligent Transportation Systems Conference Best Paper Committee Member*, The Hague, The Netherlands, September 2013.
  - *IEEE 6th Intelligent Vehicles Symposium,* La Jolla, California, USA, June 2010.
- Conference Session Chair
  - *ACSE International Conference on Computational Science and Computational Intelligence (CSCI) International Symposium on Education (ISED)*, Las Vegas, Nevada, USA, December 2016.
  - *IEEE 16th Intelligent Transportation Systems Conference,* The Hague, The Netherlands, September 2013.
  - *IEEE 9th Intelligent Vehicles Symposium*, Gold Coast, Australia, June 2013.
  - *IEEE Systems, Man, and Cybernetics Conference 2011*, Anchorage, Alaska, USA, October 2011.
  - *IEEE 14th Intelligent Transportation Systems Conference*, Washington DC, USA, October 2011.
  - *IEEE 7th Intelligent Vehicles Symposium,* Baden-Baden, Germany, June 2011.
  - *IEEE 2nd Vehicular Networking Conference*, Jersey City, New Jersey, USA, December 2010.
  - *IEEE 12th Intelligent Transportation Systems Conference*, St. Louis, Missouri, USA, October 2009.
  - *IFAC 12th Symposium on Control in Transportation Systems*, Redondo Beach, California, USA, September 2009.

- *IEEE 5th Intelligent Vehicles Symposium*, Xi'an, China, June 2009.
- *IEEE 11th Intelligent Transportation Systems Conference,* Beijing, China, October 2008.
- *IEEE 10th Intelligent Transportation Systems Conference,* Seattle, Washington, USA, October 2007.

- Special Session Organizer
  - "Intelligent Vehicular Applications, Simulations, and Implementations." *IEEE Systems, Man, and Cybernetics Conference 2011*, Anchorage, Alaska, USA, October 2011.
- Workshop Organizer
  - "Education in Intelligent Transportation Systems." *IEEE 18th Intelligent Transportation Systems Conference*, Las Palmas, Gran Canaria, Spain, September 2015.
  - "Information Fusion for Intelligent Transportation Systems." *IEEE 15th Intelligent Transportation Systems Conference*, Anchorage, Alaska, USA, September 2012. (jointly organized with Javier Sanchez Medina of the University of Las Palmas de Gran Canaria, Spain)

Conferences Attended

- One Utah Summit, Cedar City, Utah, USA, October 2024.
- One Utah Summit, Cedar City, Utah, USA, October 2023.
- Silicon Slopes, Salt Lake City, Utah, USA, September 2023.
- One Utah Summit, Cedar City, Utah, USA, October 2022.
- *ACM 50th Special Interest Group in Computer Science Education (SIGCSE)*, Minneapolis, Minnesota, USA, February 2019.
- *IEEE 20th Intelligent Transportation Systems Conference*, Yokohama, Japan, October 2017.
- *CS Education Summit*, Pittsburgh, Pennsylvania, USA, October 2017.
- *IEEE 13th Intelligent Vehicles Symposium,* Redondo Beach, California, USA, June 2017.
- *ACSE International Conference on Computational Science and Computational Intelligence (CSCI) International Symposium on Education (ISED)*, Las Vegas, Nevada, USA, December 2016.
- *IEEE 78th Vehicular Technology Conference*, Las Vegas, Nevada, USA, September 2013.
- *IEEE 9th Intelligent Vehicles Symposium*, Gold Coast, Queensland, Australia, June 2013.
- *IEEE 4th Vehicular Networking Conference*, Seoul, South Korea, November 2012.
- *ITS Alaska Annual Meeting*, Anchorage, Alaska USA, October 2012.
- *IEEE 15th Intelligent Transportation Systems Conference*, Anchorage, Alaska, USA, September 2012.
- *IEEE 8th Intelligent Vehicles Symposium*, Alcala de Hernares, Spain, June 2012.
- *IEEE 75th Vehicular Technology Conference*, Yokohama, Japan, May 2012.
- *IEEE Panel of Editors Meeting*, San Francisco, California, USA, April 2012.
- *IEEE 3rd Vehicular Networking Conference*, Amsterdam, The Netherlands, November 2011.
- *ITS Alaska Annual Meeting*, Anchorage, Alaska USA, October 2011.
- *IEEE Systems, Man, and Cybernetics Conference*, Anchorage, Alaska, USA, October 2011.
- *IEEE 14th Intelligent Transportation Systems Conference*, Washington DC, USA, October 2011.
- *IEEE 74th Vehicular Technology Conference*, San Francisco, California, USA, September 2011.
- *ITE Western District Annual Meeting,* Anchorage, Alaska, USA July 2011.
- *IEEE 73rd Vehicular Technology Conference*, Budapest, Hungary, May 2011.
- *American Planning Association's National Planning Conference,* Boston, Massachusetts, USA, April 2011.
- *IEEE 2nd Vehicular Networking Conference*, Jersey City, New Jersey, USA, December 2010.
- *ITS Alaska Annual Meeting*, Fairbanks, Alaska, USA, October 2010.
- *Alaska Community Transportation Transit Conference*, Fairbanks, Alaska, USA, October 2010.
- *IEEE 13th Intelligent Transportation Systems Conference*, Madeira Island, Portugal, September 2010.
- *IEEE 6th Intelligent Vehicles Symposium,* La Jolla, California, USA, June 2010.
- *IEEE International Conference on Robotics and Automation*, Anchorage, Alaska, USA, May 2010.
- *Maintenance Decision Support System Product Showcase*, Anchorage, Alaska, USA, April 2010.
- *Arctic Ice and Snow Roads 2010 Conference*, Anchorage, Alaska, USA, March 2010.
- *IEEE 12th Intelligent Transportation Systems Conference*, St. Louis, Missouri, USA, October 2009.
- *IEEE 70th Vehicular Technology Conference*, Anchorage, Alaska, USA, September 2009.
- *IFAC Symposium on Control Systems*, Redondo Beach, California, USA, September 2009.

- *IEEE 69th Vehicular Technology Conference*, Barcelona, Spain, April 2009.
- *IEEE 6th Consumer Communication and Networking Conference*, Las Vegas, Nevada, USA, January 2009.
- *IEEE 4th Intelligent Vehicles Symposium*, Eindhoven, The Netherlands, June 2008.
- *IEEE 10th Intelligent Transportation Systems Conference*, Seattle, Washington, USA, October 2007.
- *IEEE 3rd Intelligent Vehicles Symposium*, Istanbul, Turkey, June 2007.
- *IEEE 29th International Conference on Software Engineering*, Minneapolis, Minnesota, USA, May 2007.
- *IEEE 9th Intelligent Transportation Systems Conference*, Toronto, Ontario, Canada, September 2006.
- *ITS America Conference*, Phoenix, Arizona, USA, May 2005.
- *IEEE 1st Consumer Communication and Networking Conference*, Las Vegas, Nevada, USA, January 2004.

NSF Grant Reviewer

- *NSF Panel*, 2011 (twice)

Presentations

NOTE: This list does not include presentations associated with publications at conferences or teaching-oriented activities. All the papers published at conferences had associated presentations.

77. Miller, Jeffrey. "Ethics of Driverless Vehicles." *Ethical and Responsible Research (ER2) Workshop*, Cedar City, Utah, USA, February 27, 2025.
76. Miller, Jeffrey. "SUU College of Engineering and Computational Sciences – State of the College and Outlook for 2024/2025." *SUU College of Engineering and Computational Sciences Faculty/Staff Summit*, Cedar City, Utah, USA, August 23, 2024.
75. Miller, Jeffrey. "College of Engineering and Computational Sciences Awards Banquet." Cedar City, Utah, April 17, 2024.
74. Miller, Jeffrey. "SUU College of Engineering and Computational Sciences – State of the College and Outlook for 2023/2024." *SUU College of Engineering and Computational Sciences Faculty/Staff Summit*, Cedar City, Utah, USA, August 25, 2023.
73. Miller, Jeffrey. "SUU College of Engineering and Computational Sciences – State of the College and Outlook for 2023/2024." *SUU College of Engineering and Computational Sciences Leadership Summit*, Cedar City, Utah, USA, August 22, 2023.
72. Miller, Jeffrey. "College of Engineering and Computational Sciences Awards Banquet." Cedar City, Utah, April 12, 2023.
71. Miller, Jeffrey. "Vision and Overview of SUU College of Engineering and Computational Sciences." *SUU College of Engineering and Computational Sciences Retreat*, Cedar City, Utah, USA, August 26, 2022.
70. Miller, Jeffrey. "ITP Overview." *USC Computer Science Department Retreat*, Los Angeles, California, USA, August 26, 2019.
69. Miller, Jeffrey. "CS@SC Summer Camps Summary." *Institute for Education Celebrating Twenty-Five Years of Civility and Common Ground,* Washington DC, USA, December 1, 2016.
68. Miller, Jeffrey. "CS@SC Outreach." *USC Computer Science Department Retreat*, Los Angeles, California, USA, August 28, 2016.
67. Miller, Jeffrey. "CS@SC Summer Camps and ABET Summary." *USC Computer Science Industry Advisory Board Meeting*, Los Angeles, California, USA, November 5, 2015.
66. Miller, Jeffrey. "Computer Science Capstone." *USC CET Instructional Design Meet Up,* Los Angeles, California, USA, October 16, 2015.
65. Miller, Jeffrey. "CS@SC K12 Outreach - Computer Science in K12 Curricula." *Calvary Christian Retreat*, Malibu, California, USA, October 9, 2015.
64. Miller, Jeffrey. "Computer Science Capstone." *USC Viterbi School of Engineering Division of Engineering Education – Capstone Retreat*, Los Angeles, California, USA, August 18, 2015.
63. Miller, Jeffrey. "Ethics in Driverless Vehicles." *Beverly Hills Rotary Club*, Beverly Hills, California, USA, August 3, 2015.
62. Miller, Jeffrey. "Current Technology and Ethics in Driverless Vehicles." *University of California Los Angeles Beyond the Headlines*, Los Angeles, California, USA, May 5, 2015.
61. Miller, Jeffrey. "USC Explore Reception." *University of Southern California Viterbi School of Engineering*, Los Angeles, California, USA, April 9, 2015.
60. Miller, Jeffrey. "Ethics in Driverless Vehicles." *National Academy of Sciences Distinctive Voices*, Irvine, California, USA, January 14, 2015.
    https://www.youtube.com/watch?v=SfP7FBSnojk&feature=youtu.be
    https://twitter.com/uscviterbi/status/565643247473528832
59. Miller, Jeffrey. "USC On-Campus Admitted Student Reception." *University of Southern California Viterbi School of Engineering*, Los Angeles, California, USA, April 26, 2014.
58. Miller, Jeffrey. "Are Computer Engineers and Computer Scientists Real Engineers?" *University of Alaska Anchorage Fall 2013 Preview Day*, Anchorage, Alaska, USA, November 15, 2013.
57. Miller, Jeffrey. "IEEE Intelligent Transportation Systems Society Magazine Editor-in-Chief Report." *IEEE Intelligent Transportation Systems Society Board of Governors and Executive Committee Meeting*, The Hague, The Netherlands, October 5-6, 2013.
56. Miller, Jeffrey. "ITS in Alaska and K12 STEM Robotics Competition." *ITE Alaska October 2013 Member Luncheon*, Anchorage, Alaska, USA, October 1, 2013.

55. Miller, Jeffrey. "IEEE 78th Vehicular Technology Conference" Welcome Address. *Presentation at IEEE 78th Vehicular Technology Conference*, Las Vegas, Nevada, USA, September 3, 2013.
54. Miller, Jeffrey. "IEEE Intelligent Transportation Systems Society Magazine Editor-in-Chief Report." *IEEE Intelligent Transportation Systems Society Board of Governors and Executive Committee Meeting*, Gold Coast, Queensland, Australia, June 23, 2013.
53. Miller, Jeffrey. "2013 Vex Robotics World Competition Recap." *IEEE Alaska Section May Member Luncheon*, May 15, 2013.
52. Miller, Jeffrey. "Intelligent Transportation System Projects in Alaska and Beyond." *IEEE Alaska Section March Member Luncheon*, March 20, 2013.
51. Miller, Jeffrey. "IEEE Intelligent Transportation Systems Society Magazine Editor-in-Chief Report." *IEEE Intelligent Transportation Systems Society Executive Committee Meeting*, New Orleans, Louisiana, USA, February 9, 2013.
50. Miller, Jeffrey (presented by Dave Butcher). "IEEE Northwest Area Awards Summary." *IEEE Region 6 Annual Meeting*, Las Vegas, Nevada, USA, February 2, 2013.
49. Miller, Jeffrey (presented by Joe Decuir). "IEEE Northwest Area Awards." *IEEE Fall 2012 Northwest Area Meeting*, Seattle, Washington, USA, October 20, 2012.
48. Miller, Jeffrey. "IEEE Intelligent Transportation Systems Society Magazine Editor-in-Chief Report." *IEEE Intelligent Transportation Systems Society Board of Governors and Executive Committee Meeting*, Anchorage, Alaska, USA, September 15, 2012.
47. Miller, Jeffrey. "IEEE Intelligent Transportation Systems Society VP Administrative Activities Report." *IEEE Intelligent Transportation Systems Society Board of Governors and Executive Committee Meeting*, Anchorage, Alaska, USA, September 15, 2012.
46. Miller, Jeffrey (presented by Alex Wyglinski). "IEEE 78th Vehicular Technology Conference." *Presentation at IEEE 76th Vehicular Technology Conference*, Quebec City, Quebec, Canada, September 5, 2012.
45. Miller, Jeffrey. "Intelligent Transportation System Projects in Heterogeneous Connectivity Environments." *Alaska Department of Transportation Quarterly Design Meeting*, July 31, 2012.
44. Miller, Jeffrey. "Vehicle-to-Infrastructure Design and Applications in Disconnected Environments." *Universitas Miguel Hernandez*, Elche, Spain, June 11, 2012.
43. Miller, Jeffrey. "IEEE Intelligent Transportation Systems Society Magazine Editor-in-Chief Report." *IEEE Intelligent Transportation Systems Society Board of Governors Executive Committee Meeting*, Alcala de Henares, Spain, June 7, 2012.
42. Miller, Jeffrey. "IEEE Intelligent Transportation Systems Society VP Administrative Activities Report." *IEEE Intelligent Transportation Systems Society Board of Governors and Executive Committee Meeting*, Alcala de Henares, Spain, June 7, 2012.
41. Miller, Jeffrey. "Design of Vehicular Ad-Hoc Networks (VANETs) and Applications in Disconnected Environments." *University of Alabama*, Tuscaloosa, Alabama, USA, April 27, 2012.
40. Miller, Jeffrey (presented by Joe Decuir). "IEEE Northwest Area Awards." *IEEE Spring 2012 Northwest Area Meeting*, Spokane, Washington, USA, April 14, 2012.
39. Miller, Jeffrey. "IEEE Intelligent Transportation Systems Society Magazine Editor-in-Chief Report." *IEEE Intelligent Transportation Systems Society Executive Committee Meeting*, Atlanta, Georgia, USA, February 11, 2012.
38. Miller, Jeffrey. "IEEE Intelligent Transportation Systems Society VP Administrative Activities Report." *IEEE Intelligent Transportation Systems Society Executive Committee Meeting*, Atlanta, Georgia, USA, February 11, 2012.
37. Miller, Jeffrey. "Intelligent Transportation Systems Projects in Alaska." *Municipality of Anchorage AMATS January 2012 Meeting*, Anchorage, Alaska, USA, January 12, 2012.
36. Miller, Jeffrey. "IEEE Alaska Report." *IEEE Fall 2011 Northwest Area Meeting*, Portland, Oregon, USA, October 15, 2011.
35. Miller, Jeffrey. *Introduction to Banquet Entertainment – IEEE Systems, Man, and Cybernetics Conference*, Anchorage, Alaska, USA, October 11, 2011.
34. Miller, Jeffrey. "IEEE Intelligent Transportation Systems Society VP Administrative Activities Report." *IEEE Intelligent Transportation Systems Society Board of Governors and Executive Committee Meeting*, Washington DC, USA. October 8, 2011.
33. Miller, Jeffrey. "IEEE 14th Intelligent Transportation Systems Conference." *Presentation at IEEE 13th Intelligent Transportation Systems Conference*, Washington DC, USA, October 6, 2011.

32. Miller, Jeffrey. *IEEE Alaska Section Award Banquet Master of Ceremony*, Anchorage, Alaska, September 17, 2011.
31. Miller, Jeffrey. "Academic Profession and Intelligent Transportation Systems Research." *Guest Lecture – Engineering Seminar (ENGR 192/292)*, University of Alaska Anchorage, September 13, 2011.
30. Miller, Jeffrey. "IEEE 74th Vehicular Technology Welcome Message." *IEEE 74th Vehicular Technology Conference*, San Francisco, California, September 6, 2011.
29. Miller, Jeffrey. "Using Vehicle Probes for Accurate Travel Time Estimation." *Institute of Transportation Engineers (ITE) Western District Annual Meeting*, Anchorage, Alaska, July 13, 2011.
28. Miller, Jeffrey. "IEEE 74th Vehicular Technology Conference." *Presentation at IEEE 73rd Vehicular Technology Conference*, Budapest, Hungary, May 16, 2011.
27. Miller, Jeffrey. *Engineering Graduation Luncheon*, Anchorage, Alaska, April 21, 2011.
26. Miller, Jeffrey. *Acceptance of Anchorage Convention and Visitors' Bureau Seymour Award (Meeting Champion of the Year, 2011)*, Anchorage, Alaska, April 15, 2011.
25. Miller, Jeffrey. "UAA Engineering Programs." *BP Explorers' Visit to UAA School of Engineering*, Anchorage, Alaska, April 12, 2011.
24. Miller, Jeffrey, Teresa Brewer. "Real-Time Freight Tracking using GPS and Cellular Transceivers for Transportation and Community Planning." *American Planning Association 2011 National Planning Conference*, Boston, Massachusetts, April 9, 2011.
23. Miller, Jeffrey. "IEEE Alaska Report." *IEEE Spring 2011 Northwest Area Meeting*, Richland, Washington, April 2, 2011.
22. Miller, Jeffrey. "Distributed Real-Time Vehicular Data Gathering through a Vehicle-to-Infrastructure Network in Anchorage." *University of Alaska Anchorage, Complex Systems Lecture*, Anchorage, Alaska, March 25, 2011.
21. Miller, Jeffrey. "IEEE Intelligent Transportation Systems Society VP Administrative Activities Report." *IEEE Intelligent Transportation Systems Executive Committee Meeting*, Orlando, Florida, February 5, 2011.
20. Miller, Jeffrey. "Fundamentals of Engineering Exam Review – Computers." *University of Alaska, Anchorage School of Engineering FE Refresher Series, Fall 2010*, University of Alaska, Anchorage, October 21, 2010.
19. Miller, Jeffrey. "Real-Time Data Collection through ITS Architectures in Anchorage." *Alaska Community Transportation Conference, ITS Alaska Annual Meeting,* Fairbanks, Alaska, October 6, 2010.
18. Miller, Jeffrey. "IEEE 14th Intelligent Transportation Systems Conference." *Presentation at IEEE 12th Intelligent Transportation Systems Conference*, Madeira Island, Portugal, September 22, 2010.
17. Miller, Jeffrey (presented by James Irvine). "IEEE 74th Vehicular Technology Conference." *Presentation at IEEE 72nd Vehicular Technology Conference*, Ottawa, Canada, September 7, 2010.
16. Miller, Jeffrey. "Anchorage Real-Time Traffic Gathering and Distribution." *Intelligent Transportation Society of Alaska Membership Meeting*, Anchorage, Alaska, July 13, 2010.
15. Miller, Jeffrey. "FreeSim Overview and Current Status." *Pangomedia Developer Meeting*, Anchorage, Alaska, May 14, 2010.
14. Miller, Jeffrey. "Determining Real-Time Flow of Traffic in Anchorage using Vehicle Probes." *Anchorage Freight Advisory Committee Meeting*, Municipality of Anchorage, Alaska, April 12, 2010.
13. Miller, Jeffrey. Welcome Speech for *Arctic Ice and Snow Roads 2010 Conference*, Anchorage, Alaska, March 30, 2010.
12. Miller, Jeffrey. "Fundamentals of Engineering Exam Review – Computers." *University of Alaska, Anchorage School of Engineering FE Refresher Series, Spring 2010*, University of Alaska Anchorage, March 25, 2010.
11. Miller, Jeffrey. "IEEE 70th Vehicular Technology Conference Welcome Message." *IEEE 70th Vehicular Technology Conference*, Anchorage, Alaska, September 21, 2009.
10. Miller, Jeffrey. "IEEE 70th Vehicular Technology Conference." *Presentation at IEEE 69th Vehicular Technology Conference*, Barcelona, Spain, April 28, 2009.

9. Miller, Jeffrey. "Dynamic Intelligent Transportation Systems." *Guest Lecture – American Indian Science and Engineering Society (AISES)*, University of Alaska Anchorage, April 3, 2009.
8. Miller, Jeffrey. "Fundamentals of Engineering Exam Review – Computers." *University of Alaska, Anchorage School of Engineering FE Refresher Series, Spring 2009*, University of Alaska Anchorage, March 31, 2009.
7. Miller, Jeffrey. "Fundamentals of Engineering Exam Review – Computers." *University of Alaska, Anchorage School of Engineering FE Refresher Series, Fall 2008*, University of Alaska Anchorage, October 23, 2008.
6. Miller, Jeffrey. "Jeffrey Miller's Current Research." *Bachelor of Science in Engineering Faculty Research Seminar*, University of Alaska Anchorage, October 14, 2008.
5. Miller, Jeffrey. "Career in Computer and Software Engineering." *Guest Lecture – Engineering Seminar (ENGR 192/292)*, University of Alaska Anchorage, September 30, 2008.
4. Miller, Jeffrey. "E-Week – Exciting Era of Engineering." *E-Week Presentation*, Bartlett High School, Anchorage, Alaska, February 13, 2008.
3. Miller, Jeffrey. "Intelligent Transportation Systems." *Guest Lecture – Transportation Engineering (CE 402)*, University of Alaska Anchorage, October 24, 2007.
2. Miller, Jeffrey. "A Future in Computer Science." *Guest Lecture for IEEE Student Chapter*, California State University, Los Angeles, November 14, 2002.
1. Miller, Jeffrey. "Web Services." *Directed Research Project (CS 590)*, University of Southern California, April 2002.