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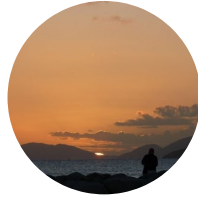
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For Business



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**Craig Petku** · 3rd

Principal Engineer at indie Semiconductor



- indie Semiconductor



- Lawrence Technological University

Clarkston, Michigan, United States · [Contact info](#)

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My career focus is leading teams to develop embedded systems using ARM microprocessors

- Provide technical leadership to hardware and software developers
 - Design and debug ARM architectures for XM, Sirius, Workspace and Portable HD Products, ASICs
 - Develop drivers/API's to integrate products with SDK's (Windows, ultron & Linux) for initial proveout
 - Processor experience: Telechips TCC770, AMS 3524, AMS3530, NXP PNX0103, OMAP/TMS470, Atmel AVR series Freescale i.MX 5X Series, Freescale i.MX6X, Arm Cortex M0
 - Work with ODM's CM's and vendors to bring projects to fruition
 - Support RFI and RFQ processes
 - Develop validation test strategies
- Specialties: • Experienced in all phases of product development from ideation through manufacturing
- Embedded design and initial SDK integration

Activity

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Experience



Principal Engineer

indie Semiconductor · Full-time
Apr 2021 - Present · 3 yrs 9 mos
Metro Detroit

Manager: Systems Engineering at Aptiv

Aptiv · Full-time
Dec 2017 - Apr 2021 · 3 yrs 5 mos
Auburn Hills, MI

Aptiv (NYSE:APTIV) emerged on December 5, 2017 from the completion of Delphi's spin-off of its powertrain segment, which is now trading as Delphi...



Delphi Data Connectivity US LLC

2 yrs 11 mos
Auburn Hills

Manager: Systems Engineering

Jan 2016 - Dec 2017 · 2 yrs

Established a formal Systems Engineering organization to as part of a reorganization of the previous PTL organization.
Adopted commercial requirements management tools for USB connectivity module product line.
Established expertise within the new S.E. organization for certifying Apple Carplay based systems
Develop white papers on ASIC capabilities and performance characteristics to support engaging new customers
Traveled internationally to demonstrate technologies and support quoting/winning new business.
Analyzed USB-IF compliance issues and coordinate corrective actions for engineering and suppliers
Analyzed field returns to establish root cause and develop product troubleshooting capabilities of quality and systems engineers.

Manager: Advanced Product Development

Feb 2015 - Jan 2016 · 1 yr

Established relationships between the newly formed Delphi Data Connectivity US LLC organization and Delphi Electronic Technical Center Shanghai ADP group for developing new technologies.
Selected new technologies to be pursued for connectivity modules.(e.g., "Type C", NFC, USB Power Delivery).
Developed and integrated software drivers and application features for new connectivity module technologies into Linux based demonstration platforms.
Developed and demonstrated advanced software features including firmware based "Type C" support using existing ASIC features not originally specified for this purpose.



Chief Engineer

Unwired Technology
Mar 2011 - Feb 2015 · 4 yrs
Auburn Hills

Established a Software Engineering Group for developing new products
Established relationships with contract manufacturers
Developed Android and DVD based Rear Seat Entertainment platforms
Developed IR Headphones based upon custom ASIC's with ARM M0 Cores
Developed And Patented Custom USB Dual Role HUB ASIC to support Apple CarPlay
Managed both the Software and Electrical Engineering Groups



Delphi

5 yrs 7 mos

Platform Architect - Graphics Processors

Jan 2010 - Mar 2011 · 1 yr 3 mos

Provide leadership to project teams in the development of Freescale i.MX 5x / 6X based instrument clusters

- Develop and execute an implementation strategy for delivering Delphi's first Form Factor Linux based IPC in under five months (PowerPoint Concept to Demonstrable Linux IPC).
- Provide technical leadership to systems engineers in the areas of MOST-50 development and programming / debugging Linux based products
- Provide technical leadership to Software engineers implementing and debugging Linux BSP's and drivers
- Develop electrical design engineers to transition from designing around NEC V850 Microcontrollers to Advanced ARM Architectures

Electrical Design Manager

Jan 2008 - Jun 2010 · 2 yrs 6 mos

Provide leadership to project focused teams in the development of WorldSpace products

- Provide program management leadership working with outside suppliers to coordinate design change activities
- Provide technical leadership to systems engineers to develop test plans and manufacturing strategies
- Provide technical leadership to Software engineers to develop test strategies
- Provide technical leadership to Software engineers to identify driver related design oversights and provide corrective actions
- Develop Junior electrical design engineers to become lead engineers on programs

Sr. Electrical Engineer

Sep 2005 - Dec 2007 · 2 yrs 4 mos

Delphi Corporation Troy, MI

Senior Design Engineer

- Design and release for production the SkyFi3 XM portable satellite radio / audio player
- Design and debug ARM9 architectures for XM, Sirius, Worlspace and Portable HD Products
 - o Processors: Telechips TCC770, AMS 3524, NXP PNx0103, Atmel AVR series
- Develop drivers/API's to integrate products (above) with vendor SDK's for initial proveout
- Expand design capabilities in the CE engineering department by mentoring colleagues
- Work with ODM's CM's and vendors to bring projects to fruition

Show all 11 experiences →

Education



Lawrence Technological University

MBA

1998 - 2002

5/02 Lawrence Technological University

Master of Business Administration Graduated with Distinction



Lawrence Technological University

BSEE

1990 - 1994

8/94 Lawrence Technological University

Bachelor of Science, Electrical Engineering...

...see more

Embedded Systems

 Endorsed by 2 colleagues at Ford Motor Company



15 endorsements

604,000

17 endorsements

Show all 19 skills →

Given



Craig is a detailed oriented engineer who can design and develop virtually any electronic technology. Craig was often counted on to provide detailed analysis of extremely difficult problems associated with embedded design. Not only are Craig's technical skills among the best I have seen, he is well suited for a technical management roll if he chooses to do so.

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Electro-optic Engineer at Aptiv

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Head of Employment and Trade Secrets Litigation Practice at Wilson Sonsini Goodrich & Rosati

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Steven L. Smith  · 2nd

Partner, Jones Day, International Arbitration Practice

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https://www.linkedin.com/in/craigpetku/

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People you may know

From Craig's job title



David Mulvihill
Principal Engineer at Intel Corporation

Connect



Alan Olsen
Software Engineer Manager

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Laron Swapp
Software Engineering Team Leader at Garmin International

Connect



Salman Ahmad
Senior Director of Engineering, Product Assurance and Security, at Intel Corporation

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Robert Chan
(Retired) Engineering Manager at Intel Corporation

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