Dave Challener

Retired but may consult

- University of Illinois Urbana-Champaign

Raleigh, North Carolina, United States · Contact info

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About

I have worked on the Trusted Computing Group now since its inception, and was chair of the TPM workgroup for over a decade. Currently I am "Chair Emeritus". In the past I was on The Board of Directors, Chair of the TCG Software Stack workgroup, and been a key contributor to the TPM workgroup since TCPA days. I also was on the Technical committee and have contributed to the Server WG, Virtualization WG, Security Eval WG, and many others.

I was a Master Inventor at both IBM and Lenovo with 134 issued patents, (more in the works). I very much enjoy teaching, (My PhD is in Applied Math), and writing books (A Practical Guide To TPM 2.0 , on which I am co-author and A Practical Guide to Opal Drives are my latest).

In the past I have been the lead engineer on the Center for Natural Computing, a member of the technical staff advising the President of the IBM PC division, a Reliability Engineer for Substrate development, and a Yield Prediction engineer for chip development.

Specialties: Security architecture and evaluation of solutions, privacy, Human Computer Interaction, Reliability, Math, Intellectual Property,

Activity

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Dave Challener commented on a post • 10mo

actually it is still true if you put in k/x instead of 1/x, as long as k is non-negative. The proof is not too difficult, but it is surprising.

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Retired
Freelance
Sep 2020 - Present · 4 yrs 2 mos

Principal Professional Staff
Johns Hopkins University Applied Physics Laboratory
Apr 2009 - Sep 2020 · 11 yrs 6 mos

BOD
Trusted Computing Group
2007 - Mar 2009 · 2 yrs 3 mos

Lenovo Board of Directors member for the Trusted Computing Group

Senior Technical Staff Member
Lenovo
Apr 2005 - Mar 2009 · 4 yrs

Chief Security and Privacy Technologist

Senior Technical Staff Member
IBM
Aug 1984 - Apr 2005 · 20 yrs 9 mos

Chief technologist, Security, Privacy, Virtualization for PCD

Education

University of Illinois Urbana-Champaign
PhD, Mathematics
1978 - 1986

Iowa State University
BS, Math, Physics
1974 - 1978
Activities and societies: President, Pi Mu Epsilon Math Honorary
Member Physics Honorary

Skills

Intellectual Property

Endorsed by 2 colleagues at Lenovo

6 endorsements

Human Computer Interaction

1 endorsement

Show all 22 skills →

Recommendations

Received Given

James Rutledge (Jamie)
Executive | Board Member | Advisor | Inventor | Doer | Investor
April 30, 2009, James managed Dave directly

Dave is a meticulous problem solver that looks for the four corner cases. He is a pleasure to work with, in that he can solve most any problem logically and methodically. A good team player and has the ability to work on complex tasks and solve the unsolvable.

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John Nicholson
Adjunct Professor at Duke University Pratt School of Engineering
July 28, 2006, John worked with Dave on the same team

Dave is one of the most intelligent, inventive, and creative problem solving persons I know. Excellent team player and highly productive innovator. A top inventor and mentor for IP in Lenovo and IBM and technical leader in Trusted Computing Group.

Publications

A Practical Guide to Use of Opal Drives
TCG · Sep 1, 2019

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A Practical Guide to TPM 2.0 Using the Trusted Platform Module in the New Age of Security
Apress ISBN 13: 978-1-4302-6583-2 · Jan 1, 2015

Show publication

A Practical Guide to TPM 2.0: Using the Trusted Platform Module in the New Age of Security is a straight-forward primer for developers. It shows security and ...see more

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Retired

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Retired Sr. VP Emerson
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Rob Affalter · 3rd+
Retired Electrical/Instrumentation Principal Engineer at AdvanSix
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People you may know
From Dave's school

Eric Wang
Student at University of Illinois Urbana-Champaign
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Caitlyn Letran
ESES & Business Student | University of Illinois Urbana-Champaign
Connect

Zachary Lee
James Scholar, Student at University of Illinois Urbana-Champaign
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Nick C.
Sr. Change Agent at Trane Technologies
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Sabine Deutsch
Rechtsreferendarin | Wissenschaftliche Mitarbeiterin bei Linklaters
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