# CURRICULUM VITAE

## Wu-chang Feng    August 4, 2022

### Education

Ph.D.  1999  Computer Science and Engineering, University of Michigan, Ann Arbor
MSE    1994  Computer Science and Engineering, University of Michigan, Ann Arbor
BS      1992  Computer Engineering, Pennsylvania State University (with honors)

### Employment

Professor, Department of Computer Science, Portland State University, Portland OR, 2013–present.

Associate Professor, Department of Computer Science, Portland State University, Portland OR, 2006–2012.

Assistant Professor, Department of Computer Science, Portland State University, Portland OR, 2004–2006.

Assistant Professor, Department of Computer Science Engineering, Oregon Health and Science University, Beaverton OR, 2001–2004.

Senior Architect, Proxinet, Inc. and Pumatech Inc., Emeryville CA, 1999–2001.

Research Staff IBM T.J. Watson Research Center, Hawthorne NY, 1996, 1997, 1998, 1999.

Research Assistant, University of Michigan, Ann Arbor MI, 1994–1999.

Teaching Assistant, University of Michigan, Ann Arbor MI, 1992–1994.

### Dissertation

Improving Internet Congestion Control and Queue Management Algorithms, May 1999. Advisor: Kang Shin, University of Michigan.

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**Honors, Grants and Fellowships**

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## Honors

Best Student Paper Award (Chris Chambers), Internet Measurement Conference 2005.

IEEE Communications Society 2003 William R. Bennett Prize for Best Paper in IEEE/ACM Transactions on Networking.

Best IBM Research Paper Award in Computer Science, Electrical Engineering, and Math 2002.

## Grants

Wu-chang Feng (PI), "SaTC: EDU: Curricula and CTF Exercises for Teaching Smart Fuzzing and Symbolic Execution", NSF 1821841, **$279,448** (09/2018–09/2021).

Wu-chang Feng (Co-PI), "GenCyber Narrative: Portland State University – Combo Camp", NSA GenCyber 206855 **$100,000**, (07/2017).

Wu-chang Feng (PI), "EDU: A Capture-the-Flag Service for Computer Security Courses", NSF 1623400, **$299,795** (09/2016–09/2018).

Wu-chang Feng (Co-PI), "CyberPDX 2016: A Student-Teacher Combination Camp for Integrated Learning and High School Course Development ", NSA GenCyber **$100,000**, (07/2016).

Wu-chang Feng (PI), "Increasing the Cost of Malware", NSF CNS 1017034 (22% funding rate), **$498,440** (09/2010–09/2013).

Wu-chang Feng (PI), "Detecting Cheating in On-line Games via Remote Measurement", Intel Research Council, **$186,000** (4/2007–4/2009)

Tom Shrimpton, Wu-chang Feng (co-PI), "Making Network Layer Proofs-of-Work Work", NSF CNS 0627752 (12% funding rate), **$399,711** (10/2006–10/2009).

Wu-chang Feng (PI), Wu-chi Feng, David Maier, Jonathan Walpole, "Forensix: Large-scale Tamper-resistant Computer Forensic Systems" NSF ANI-0230960 Strategic Technologies for the Internet (8% funding rate), **$749,810** (11/2002–9/2006). REU supplement **$12,500** (5/2003)

Wu-chang Feng (PI), "Infrastructure for On-line Game Services" IBM Faculty Partnership Award, **$80,000** (5/2003–5/2006)

Wu-chang Feng (PI), "Efficient Intrusion Detection and Response Systems", Oregon University System ETIC, **$121,151** (7/2002–12/2003).

Wu-chang Feng (PI), "Efficient Intrusion Detection and Response Systems", Intel Research Council, **$246,000** (11/2001–11/2004)

Wu-chang Feng (PI), "An IXP Laboratory for the OGI School of Science and Engineering at OHSU", Intel IXA Curriculum Grant, **$19,000** (1/2002–12/2002).

Nirupama Bulusu, Wu-chi Feng, Wu-chang Feng (Co-PI), "Infrastructure to Support Heterogeneous and Dynamic Sensor Networking Research", NSF CNS Research Resources (33% funding rate), **$110,000** (8/2004–8/2007)

David Maier, Wu-chang Feng (Co-PI), David Hansen, "Undergraduate Research Institute", Oregon Intel-OUS Engineering and Computer Science, **$38,937** (4/2004–8/2004)

Wu-chi Feng, Jonathan Walpole, Wu-chang Feng (Co-PI), "A Flexible Video Networking Infrastructure to Support Massively Scalable Information Flows", NSF EIA Research Resources, **$139,980** (10/2001–9/2004)

Lois Delcambre, David Maier, Wu-chang Feng (Co-PI), "Stream Queries for Network Monitoring", ARDA, **$43,988** (6/2002–9/2002).

Wu-chang Feng (PI), Intel Xscale Technology Equipment Grant, **$57,680** (5/2004)

Wu-chang Feng (PI), Intel PlanetLab, **$9,429** (8/2003)

Wu-chang Feng (PI), Intel Netstructure, **$119,970** (8/2002)

Wu-chang Feng (PI), Intel IXA Curriculum, **$17,520** (1/2002–12/2002)

**Fellowships**

IBM Research Fellowship (1997–1999)

**Other**

Student Marshal for Computer Engineering at Penn State University (1992)

Evan Pugh Senior Award, Penn State University (1992)

Evan Pugh Junior Award, Penn State University (1991)

President's Freshman Award, Penn State University (1989)

Golden Key National Honor Society (1990-1992)

## Refereed Publications or Other Creative Achievements

See https://thefengs.com/wuchang/publications.html