

TARAH M WHEELER

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Cybersecurity Executive

SUMMARY

Researcher and Expert

Senior cybersecurity executive and information security researcher. Widely cited media expert resource on cybersecurity. Keynote speaker on cybersecurity, the future of information warfare, women in technology, and frequent media guest. International subject matter expert for Federal Trade Commission, NPR, PBS Nova, Forbes, Oxford, Stanford, OECD, and many more.

Security at Scale

Threat and vulnerability management for public companies. Incident commander and principal investigator for multiple security crises. Leadership of onsite and remote security engineers, designers, developers, and database engineers. Managing system and security requirements for multiple web and physical sites simultaneously. Hiring, developing, expanding, and transitioning security teams. Intercontinental security team lead. Advisor to startups through enterprises on secure procedures, development practices, and security crisis management.

Advocacy

Widely experienced in open source development and public advocacy for security researchers,

hackers, developers and technical products. Liaison between the information security community and corporate security executives to find and promote advanced research. Top cybersecurity and crisis management executive for two public tech companies.

Technology

Developer of award-winning, efficient, secure code. Designer of multitiered secure systems architecture as well as analysis and metrics tools. Coded multiple secure implementations of a secure HR web app. Simulated social and international conflict using open source Java libraries. Designed cross-platform visualization methods for the display of computationally generated data. Designed and provisioned Silent Mail encrypted communications server. More than 17 years of professional and academic experience in object-oriented complex systems computational modeling. Architected multilevel, multicontinental disaster recovery plans for soft and hard contingencies.

Teaching

Nearing two decades of professional experience and academic teaching in Linux platforms and applications use and development. Adjunct professor in programming, security, web application development, and other topic areas. Pioneered web broadcasting from Seattle colleges to stream information security and technology classes.

POSITIONS

Senior Director, Data Trust and Threat + Vulnerability Management, Splunk *2018—present*

Cybersecurity Policy Fellow, New America, *2017—present*

CEO and Principal Security Advisor, Red Queen Technologies, *2002—present*

Principal Security Advocate and Senior Director of Engineering, Website Security, Symantec, *2016—2017*

Founder & CEO, Fizzmint, *2012—2016*

Adjunct Professor, Information Technology, Seattle Central College, 2015—2016

Systems Architect, Silent Circle Global Encryption, 2012—2014

Technical Program Manager, Spoken Communications, 2011

Web Developer, Halo for Xbox, Microsoft Game Studios (contract), 2010—2011

Lead Web Developer, Lips for Xbox, Microsoft Game Studios (contract), 2009—2010

EDUCATION

The University of Washington, *Seattle, WA*
(2010—2011)

Postgraduate Certificate Program in Scrum/Agile Development, Advanced Agile Development

The University of Michigan, *Ann Arbor, MI*
(2004—2008)

Precandidate for Doctor of Philosophy in Complex Systems and Political Science, National Science Foundation Fellow, IGERT-IDEAS

Portland State University, *Portland, OR*
(2002—2004)

Masters of Science in Political Science (specialties in Cognitive Behavioral Theory and Statistical Modeling)

Carroll College, *Helena, MT* (1998—2001)

Bachelor of Arts International Relations (specialty in Business)

PROFESSIONAL CERTIFICATIONS

OSCP (Offensive Security Certified Professional) (In progress)

CISSP (Certified Information Systems Security Professional) (Granted May 2017—present)

CSM (Certified Scrum Master) (Granted December 2010—present)

CSD (Certified Scrum Developer) (Granted March 2011—present)

SERVICE

Expert, Washington Post Cybersecurity Top 100 Board (2018—present)

Security Operations Commander, TEDxSeattleUniversity (2017—present)

Contributor, CyberScoop Media (2017—present)

Member, Christian Science Monitor Cybersecurity Passcode Influencers (2016—2017)

SELECTED PUBLICATIONS

“In cyberwar, there are no rules: why the world desperately needs digital Geneva Conventions,” feature in Foreign Policy Magazine, Fall 2018

“We need to do a better job teaching people simple security hygiene,” op-ed in CyberScoop, 2017

Women In Tech: Take Your Career To The Next Level With Inspiring Stories And Practical Advice, Author, Sasquatch Books, 2016

Website Security Threats For Dummies, Technical Editor, Wiley 2016

Inside the Tech Interview: A Systematic Way to Nail a Job in the Software Industry, Contributor, Reinhardt, 2016

SELECTED SPEAKING/MEDIA

“Equip Rouge: The Ethics of Prosecuting An Offensive Security Campaign,” ShmooCon, *Washington, DC*, (01/18/19)

“The Future of Cyberwar,” Oxford University, *Oxford, UK*, (11/02/18)

“Cybersecurity,” Panel, Organization for Economic Cooperation + Development, *Paris, FR*, (05/29/18)

“The Future Isn’t Backwards Compatible: Cybersecurity Professionals And Ethics,” Keynote, Institute of Information Security Professionals, Royal College of Surgeons, *London, UK*, (04/19/17)

“Adaptation as a primary hacker trait,” Keynote, BSides Orlando, *Orlando, FL*, (04/08/17)

“The Future Of Cryptocurrency,” Closing Plenary Panel, Financial Cryptography 2017, *Sliema, Malta*, (04/05/17)

“Start With Security,” Panelist, Federal Trade Commission, *Seattle, WA* (02/09/16)

“The Next Generation Of Cybersecurity Careers,” TV guest, PBS NOVA, (10/16/15)