

TARAH M WHEELER

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Cybersecurity Executive & Information Security Engineering Leader

SUMMARY

Leading and directing onsite and remote offensive and defensive security engineering teams, directing technical and project managers, supervising designers, developers, and database engineers. Hiring, developing, expanding, and transitioning security teams. Threat & vulnerability management. **Incident commander** and principal investigator for multiple security crises. Advisor to startups through enterprises on secure procedures and development practices. **Information security technical subject matter expert at/for the European Union, Washington Post, US Federal Trade Commission, NPR, PBS Nova, Foreign Policy, Oxford, Stanford, OECD, and many more.** Designed and provisioned Silent Mail encrypted communications server. More than 17 years of professional and academic experience in object-oriented complex systems computational modeling & security engineering. Architected multilevel, multicontinental disaster recovery plans for soft and hard contingencies. **Ongoing technical research and competitor in offensive and mobile security and password cracking.**

POSITIONS

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

Chief Information Security Officer & vCISO Advisor, Red Queen Technologies, 2002—*present*

Senior Director, Data Trust and Threat + Vulnerability Management, Splunk 2018—2019

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

Harvard University, Boston, MA (2019—present) HarvardX Online: Senior Cybersecurity Executive Risk Strategy Certification

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

GIAC GMOB #7449975 (Mobile Device Security Analyst) (Granted June 2019—present)

OSCP (Offensive Security Certified Professional) (In progress)

CISSP #611154 (Certified Information Systems Security Professional) (Granted May 2017—present)

CSM CSD CSP #116728 (Certified Scrum Master & Developer & Professional) (Granted December 2010—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

“Augmented Capabilities-Harnessing AI and Building Readiness for the Modern Battlespace,” European Union-Foreign Policy Defense Forum, *Washington, DC*, (06/06/19)

“Equipe 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)