

# TARAH M WHEELER

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Cybersecurity Executive & Information Security Engineering Leader

## SUMMARY

**Strategic technical security leader, board member, and executive dedicated to cybersecurity with integrity and openness.** Innovating in cloud security, data privacy, and top-level direction for security companies. Most recognized for remaining technically competent while breaking into executive leadership and strategic direction for security organizations and companies. **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 Global Security *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

“Ethics In Cybersecurity” The United States Military Academy at West Point, *West Point, NY*, (10/18/19)

“As Regulatory Environment Split, Could See Three Internets, Says New America’s Wheeler” Bloomberg Asia TV cybersecurity expert appearance, (10/14/19)

“Competing Norms And Strategic Implications” 21st Asia Pacific Programme For Senior Military Officers (APPSMO 2019), S. Rajaratnam School Of International Studies, Nanyang Technological University, *Singapore*, (08/02/19)

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

“AI in Cybersecurity-Defence or a Threat?” Securities Commission Malaysia Keynote, SCxSC 2019, *Kuala Lumpur, Malaysia*, (10/23/19)

“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)