

# TARAH M WHEELER, MS CSD CSM CISSP

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Senior Security Executive & Security Researcher

## SUMMARY

### Leadership

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.

### 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 communications and crisis management specialist for F100 tech company. Crowdfunding expert with multiple successful public interest campaigns on Kickstarter, GoFundMe, Patreon, and more.

### 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.

### Research and Architecture

Technical editing and messaging for major publications including Wiley, Penguin Random House, and others. Advisor to startups through enterprises on secure procedures, development practices, and security crisis management. 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.

## 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)

## EMPLOYMENT

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

**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

**Senior Development Director**, Red Queen Technologies, 2002—*present*

**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

## PROFESSIONAL CERTIFICATIONS

**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

**Security Operations Commander**, TEDxSeattleUniversity (2017—*present*)

**Contributor**, CyberScoop Media (2017—*present*)

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

**Benevolent Overlady**, Infosec Unlocked (August 2014—*present*)

**Co-founder, Board of Directors**, Hack The People Foundation (2013—2015)

**Founder**, Redmond SCRUM user group (2011—2013)

**Member**, Seattle Central College IT Technical Advisory Committee (2011—2013)

**Co-founder**, LadyCoders women's training initiative (2012—2013)

## SELECTED PUBLICATIONS

"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

"The Future Isn't Backwards Compatible: Cybersecurity Professionals And Ethics," Keynote, Institute of Information Security Professionals, *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)

"0Day For The Soul: Spirituality, Cyborgs, And Human-Embedded Technology," DEF CON Biohacking Village, *Las Vegas, NV* (08/07/16)

"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)

"Syncing Mentorship Between Winners And Beginners," ShmooCon, *Washington, DC*, (01/18/14)