

Education

Northeastern University <i>PhD Computer Science</i>	(expected) Fall 2024
University of Southern California <i>MS Computer Science</i>	Dec. 2014
University of California, Los Angeles <i>BS Mathematics</i> <i>BA Design & Media Arts</i>	Jun. 2012

Publications

Ryan Williams , Anthony Gavazzi, Engin Kirda (2024). Enhancing Network Security through Vulnerability Monitoring . NSS 2024.
Zachary Ratliff, Wittmann Goh, Abe Wieland, James Mickens, Ryan Williams (2024). Holepunch: Fast, Secure File Deletion with Crash Consistency . IEEE SP 2024.
Ryan Williams , Anthony Gavazzi, Engin Kirda (2023). Solder: Retrofitting Legacy Code with Cross-Language Patches . SANER 2023.
Anthony Gavazzi, Ryan Williams , Engin Kirda, Long Lu, Andre King, Andy Davis, Tim Leek (2023). A Study of Multi-Factor and Risk-Based Authentication Availability . USENIX Security 2023.
Tongwei Ren, Ryan Williams , Sirshendu Ganguly, Lorenzo De Carli, Long Lu (2022). Breaking Embedded Software Homogeneity with Protocol Mutations . LNICST 2022.
Amogh Pradeep, Hira Javaid, Ryan Williams , Antoine Rault, David Choffnes, Stevens Le Blond, Bryan Alexander Ford (2022). Moby: A blackout-resistant anonymity network for mobile devices . PETS 2022.
Ryan Williams , Tongwei Ren, Lorenzo De Carli, Long Lu, Gillian Smith (2021). Guided Feature Identification and Removal for Resource-constrained Firmware . TOSEM 2021.
Mansour Ahmadi, Reza Mirzazade Farkhani, Ryan Williams , Long Lu (2021). Finding Bugs Using Your Own Code: Detecting Functionally-similar yet Inconsistent Code . USENIX Security 2021.
Alexander Heinricher, Ryan Williams , Ava Klingbeil, Alex Jordan (2021). Weldr: fusing binaries for simplified analysis . SOAP 2021.
Elin Carstensdottir, Erica Kleinman, Ryan Williams , Magy Seif Seif El-Nasr (2021). "Naked and on Fire": Examining Player Agency Experiences in Narrative-Focused Gameplay . CHI 2021.

Working Experience

BitSight Technologies <i>Senior Research Scientist</i>	Aug. 2023 - present
TODO Job <i>TODO title</i>	TODO timeline
TODO Job <i>TODO title</i>	TODO timeline

Teaching Experience

TODO Job
TODO title

TODO timeline

TODO Job
TODO title

TODO timeline

Professional Services

TODO Job
TODO title

TODO timeline

Technical Skills

Programming Languages TODO