Ryan Williams

 williamsryan   in ryan-paul-williams

 williamsryan.github.io   ✉ ryan.rpwilliams@gmail.com

Education

Northeastern University   *(expected) Fall 2024*
PhD Computer Science

University of Southern California   *Dec. 2014*
MS Computer Science

University of California, Los Angeles   *Jun. 2012*
BS Mathematics
BA Design & Media Arts

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   *Aug. 2023 - present*
Senior Research Scientist

TODO Job   *TODO timeline*
TODO title

TODO Job   *TODO timeline*
TODO title

Teaching Experience

TODO Job *TODO timeline*
TODO title

TODO Job *TODO timeline*
TODO title

Professional Services

TODO Job *TODO timeline*
TODO title

Technical Skills

Programming Languages   TODO