

Education

Binghamton University BS in Computer Science

May 2017, Binghamton, NY

Watson School of Engineering Dean's List

Offensive Security Certified Professional (OSCP), July 2018

Experience

Google Security Engineer

April 2019 –present, New York, NY

- Secure everything off-Google (Acquisitions, Alphabet companies, 3rd Party Clouds).
- Build security software that leverages Google's internal tech/security stack to secure off-Google entities and external Google assets.
- Perform security reviews for off-Google entities.
- Interview security engineering candidates.

Vimeo Security Engineer

December 2017 - April 2019 | New York, NY

- Managed Vimeo's bug bounty programs. Engaged with researchers, triaged vulnerabilities, and worked with developers to remediate issues.
- Penetration tested Vimeo's web apps+infrastructure and Mevo IoT hardware camera.
- Remediated vulnerabilities found via bug bounty program and internal penetration testing. Wrote PHP/Node.js/Ruby to fix security holes in web app or worked with appropriate dev team to triage and assign.
- Technical security training/awareness for developers and general security evangelicalism for all employees.

MWR Infosecurity Security Consultant

May 2017 - December 2017 | New York, NY

- Penetration tested web apps, network infrastructure, iOS/Android apps, and hardware for various clients in the financial and software sector.
- Worked with clients and produced a technical report containing methodologies and found vulnerabilities for each engagement.
- 20% research time used on research into reverse engineering and penetration testing of open source software

Ernst & Young Software Development / Forensic Technology Intern

June 2015 - August 2015 | New York, NY

- Developed named-entity recognition program to extract critical information from text.
- Wrote Python web scrapers to gather competitor data and assess EY's position in the market.
- Forensically processed and analyzed evidence hard drives.

Projects

Bug Bounties 300,000 airline miles acquired from numerous vulnerabilities found in United Airlines web software.

Freelance Freelance security services for small clients. Black box penetration tests, code reviews, and bug remediation.

Home Server Sysadmin for a mini-ITX home Debian server that I built (media streaming, fileshare, web hosting).

Hardware Built+soldered a headphone amplifier and an MTA subway status display.