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# **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**

#### **VIMEO** | SECURITY ENGINEER

December 2017 - present | New York, NY

- Manage Vimeo, Livestream, and VHX bug bounty programs. Talk with researchers, triage vulnerabilities, and work with developers to remediate found problems.
- Internal penetration testing of Vimeo, Livestream, and VHX web apps/infrastructure and Mevo IoT hardware camera.
- Remediation of vulnerabilities found via bug bounty program or internal penetration testing. Write PHP/Node.js/Ruby code to fix security holes in web app or work 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 testing of web app, infrastructure, iOS/Android app, and hardware of various clients in the financial and software sector.
- Worked with clients throughout an engagement 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 AND 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 BOUNTY**

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

## BINGHAMTON UNIVERSITY 'RATE MY PROFESSOR'

Chrome extension that displays and links to a professor's Rate My Professor rating next to his/her name in the BU course catalogue. Published on the Chrome Web Store with 150 weekly users.

#### STREAM SEARCH

Node. JS web application that displays which streaming platform a chosen movie or TV show is available on.

### **GAME BOY COLOR EMULATOR**

Emulator for the Game Boy Color, written in C.

# LANGUAGES

#### **PROGRAMMING**

Highly skilled: C • Python • Java • Bash • JavaScript Proficient: x86/ARM assembly • Ruby • Node.JS