Cameron McCawley

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Education

BS, Computer Science (Security) | Minor in Mathematics | Oregon State University | 3.95 GPA | Est. Graduation June 2023

- Key Courses: Intro to Security, Analysis of Algorithms, Software Engineering I & II, Data structures, Web Development, Computer Architecture and Assembly, Numerical Analysis, Linear Algebra I, Vector Calculus, Infinite Series and Sequences
- Led a major UX design project focused on using collected empirical and analytical user data to create a high-fidelity prototype for a media server application
- Led a major web application project that used NodeJS and Handlebars in order to create a dynamic website that stored data using MariaDB

Skills

Security

- Binary Exploitation (pwntools)
- Vulnerability Scanning (Nessus, Nikto2)
- Network Security (Zeek, Wireshark, nmap)
- Penetration Testing (Metasploit, Active Directory)
- Log Analysis (Splunk, Azure Sentinel)

Open Source Intelligence

- Advanced Social Media OSINT
- Geoguesser
- Steganography & Image Analysis
- Cryptocurrency & Blockchain
- Sock Puppeting

Programming

- C, C++
- Python
- HTML/CSS/JS/SQL
- x86 Assembly
- Git

Work Experience

Security Analyst | Oregon State University Security Operations Center | June 2021 – Current

- Wrote scripts to help automate certain parts of our internal penetration testing operations
- Performed network monitoring by using tools such as Azure Sentinel, Splunk, Zeek, and Nessus
- Engaged in active threat hunting to help protect the university's network from emerging CVEs
- Investigated and responded to phishing emails targeting end-users
- Was active in the incident response process by analyzing logs and performing forensic analysis on compromised machines

Electrical Engineering & Computer Science Learning Assistant | Oregon State University | March 2020 – June 2020

- Held extended office hours helping students understand and learn difficult C++ concepts
- Ensured a smooth asynchronous experience when hosting Zoom labs
- Mastered the CS 161 and CS 162 material set in order to help students to the fullest
- Graded students' live code demos and design documents swiftly
- Gave live coding demos at the beginnings of labs as review of topics learned in lecture

Activities/Awards

OSU Security Club (2019 - Current)

- Club lab/project manager from 2021-present
- Wrote multiple OSINT related challenges as an admin for Dam CTF 2021
- Participated and coached in CDC events
- Placed 1st in our internal CTF competition and ended up writing over 30 unique challenge writeups

Cyber Threat Hunting Level 1 Cert, (2021)

- Attended Active Countermeasure's network threat hunting training course
- Analyzed packets with tools such as Zeek, tshark, datamash, and Rita to thwart command and controls
- Learned methods for packet capturing to guarantee the best data for analysis

Recent Awards

- 26th place, DOE Cyberforce Competition 2020 (remote, individual)
- 1st place, BSides PDX CTF 2020 (remote, team)
- 3rd place, NSA CC 2020 (remote, team)