

# Cameron McCawley

cameron-mccawley.github.io | linkedin.com/in/cameron-mccawley

## Education

---

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

- Key Courses: Intro to Databases, 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**

- Reverse Engineering (Ghidra, gdb, IDA Pro)
- Binary Exploitation (pwntools)
- Vulnerability Scanning (Nessus)
- Network Security (Zeek, Wireshark, nmap)
- Penetration Testing (Metasploit, Kali Linux tools)
- Log Analysis (Splunk, Azure Sentinel)

### **Infrastructure**

- Virtualization (VMware Workstation, VirtualBox)
- Cloud Computing (AWS, Azure, DO)
- Containerization (Docker)
- Rapid Prototyping (Vagrant)

### **Programming**

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

## Work Experience

---

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

- Worked with Zeek, Nessus, Splunk, and Azure Sentinel to perform network monitoring & analysis (max 100 Gbps traffic)
- Designed, deployed, and supported production and development infrastructure
- Helped lead incident response efforts by analyzing logs and performing forensic analysis on compromised Windows and Linux systems
- Monitored and responded to end-user phishing incidents

### **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 manager from 2021-present
- Participated in Cyber Defense Competitions to gain a better understanding of the blue team side of security
- Placed 1<sup>st</sup> 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**

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