

# Cameron McCawley

cameronismccawley@gmail.com | 515.520.5302 | Corvallis, OR  
[cameron-mccawley.github.io](https://github.com/cameron-mccawley) | [linkedin.com/in/cameron-mccawley](https://www.linkedin.com/in/cameron-mccawley)

## Work Experience

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### Security Analyst | OSU Security Operations Center | June 2021 – Current

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

### Electrical Engineering & Computer Science Teaching 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

## Skills

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### Security

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

### Open Source Intelligence

- Advanced Social Media Intelligence
- Image Geolocation
- Steganography & Image Analysis
- Cryptocurrency & Blockchain
- Sock Puppeting

### Programming

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

## Activities/Awards

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### OSU Security Club (2019 - Current)

- Club infrastructure and project manager from May 2021-present
- Wrote OSINT related challenges as an admin for Dam CTF 2021, one of which was voted "Favorite Challenge" by players
- Participated and coached in CDC events
- Placed 1<sup>st</sup> in our internal CTF competition

### 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)

## Education

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### BS in Applied Cybersecurity | Minor in Mathematics | Oregon State University | 3.95 GPA | Est. Graduation June 2023

- Key Courses: Intro to Security, Digital Forensics, Computer Architecture and Assembly, Cyber Attacks and Defenses, Operating Systems I, Analysis of Algorithms, Software Engineering I & II, Data Structures, Numerical Analysis
- Created a shell program from scratch using C with output/input redirection, background processes, signal handling, and variable expansion
- 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 to create a dynamic website that stored data using MariaDB