Cameron McCawley

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Work Experience

Technical Intelligence Analyst Intern | Mandiant | June 2022 – August 2022
- Analyzed and processed intelligence on financial crime threat activity to aid in report writing for customers
- Hunted for and analyzed malware samples from internal and external sources to support intelligence analysis
- Contributed to the internal tracking of threat actors, malicious infrastructure, malware samples/families, and TTPs
- Helped write and revise intelligence reports on various topics for customers
- Worked on an overarching research project aimed at tracking clients of a specific criminal service

Security Analyst | OSU Security Operations Center | June 2021 – June 2022
- 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
- Wrote scripts to help automate certain parts of an internal penetration testing operation

Electrical Engineering & Computer Science Teaching Assistant | Oregon State University | March 2020 – June 2020
- Held extended office hours helping students learn and understand difficult C++ concepts
- Presented live coding demos at beginning of labs as a review of topics learned in lecture

Skills

Security
- Binary Exploitation (pwntools)
- Malware Analysis (IDA Pro, gdb, FLARE VM)
- Network Security (Zeek, Wireshark, nmap)
- Log Analysis (Splunk, Azure Sentinel)
- Tech Intelligence (VirusTotal, Domain Tools)

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

Programming
- C, C++
- Python, *sh
- HTML/CSS/JS/SQL
- x86 Assembly
- Git, YARA

Activities/Awards

OSU Security Club (2019 - Current)
- Club president from May 2022 – current, 500+ members
- Club infrastructure and project manager from May 2021 – May 2022
- Participated in and coached Cyber Defense Competitions
- Worked with industry partners to bring recruitment events and presentations to club members
- Wrote OSINT related challenges as an admin for Dam CTF 2021, one of which was voted "Favorite Challenge" by players

Recent Awards
- 3rd place, NSA CC 2021 (remote, team)
- 1st place, OSUSEC CTF League 2020 – 2021 (remote, individual)
- 26th place, DOE Cyberforce Competition 2020 (remote, individual)
- 1st place, BSides PDX CTF 2020 (remote, team)
- 3rd place, NSA CC 2020 (remote, team)

Education

BS in Applied Cybersecurity | Minor in Mathematics | Oregon State University | 3.83 GPA | Est. Graduation June 2023
- Key Courses: Network Security, Digital Forensics, Computer Architecture and Assembly, Cyber Attacks and Defenses, Operating Systems I and II, 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