

Owen Seltzer

Boston, MA

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Education:

Northeastern University, Boston, MA

September 2020 - Present

GPA: 3.90/4.00, Dean's List (all semesters)

Expected master's degree graduation: May 2025

Candidate for BS and MS in Cybersecurity with concentration in Cyber Operations

Coursework: Systems Security, Networks Security, Information Forensics, Cryptography, Security of Wireless

Participant in the **CyberCorps: Scholarship for Service** Program

Computer Proficiencies:

Languages: C, Python, Java, Assembly (x86 & MIPS), HTML, CSS, JavaScript, PHP, SQL, Verilog

Applications: Wireshark, EnCase, Cellebrite, Intella, Axiom, Oxygen Forensic Detective

Knowledge In: Linux, Cryptography, Web Protocols, Authentication, OWASP Top Ten, NIST 800-53

Professional Experience:

National Aeronautics and Space Administration, Washington D.C.

June 2023 - December 2023

Network Integrity & Network Operations Intern, 40+ hours/week

- Supported the cybersecurity team in the Space Communications and Navigation program at NASA HQ
- Worked among NASA's top leadership to help shape and influence agency-wide cybersecurity policies
- Assisted in a comprehensive risk review to help secure communications for the Artemis II mission
- Analyzed security within the NIST 800-53 framework and NASA's Assessment & Authorization processes
- Developed a tool to streamline metrics reporting and shared the tool across the different NASA directorates

StoneTurn Consulting Group, Boston, MA

July 2022 - December 2022

Forensic Technology Co-op, 40+ hours/week

- Assisted in collection, examination, and interpretation of data related to active computer forensic investigations
- Communicated with clients to obtain data and deliver results of analysis
- Assisted on highly confidential cases involving intellectual property theft, eDiscovery, and much more
- Worked in a state-of-the-art forensic lab as a part of a team of experts using industry-standard tools

Northeastern University, Boston, MA

September 2021 - May 2022

Teaching Assistant (Foundations of Cybersecurity and Fundamentals of CS courses), 2-10 hours/week

- Worked directly with students in lab and held office hours to improve their understanding of difficult topics
- Graded students' work while leaving constructive feedback and making myself available as a resource
- Communicated one-on-one with students as well as presented and taught to groups of students in lab sections

Activities:

Northeastern Collegiate Cyber Defense Competition Team, Boston, MA

January 2023 - Present

Team Member, 2-5 hours/week

- Competing in competitions as a part of a team to defend infrastructure against active red team attacks

Projects:

DNSSEC Implementation:

March 2023

- Wrote an implementation of a DNS resolver following the DNS Security standard
- The resolver could resolve URLs while also verifying integrity and authenticity in the responses

File System Implementation:

December 2021

- Wrote an implementation of a Unix-like filesystem in C to be mounted with FUSE
- Included support for nested directories, creating, moving, editing, and deleting files

Interests:

Writing/Performing Music, Scuba Diving, Running in races, Learning how things work, Traveling to new places