

Owen Seltzer

Boston, MA

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Education:

Northeastern University, Boston, MA

September 2020 - Present

GPA: 3.95/4.00, Dean's List (all semesters)

Expected graduation: May 2024

Candidate for Bachelor of Science 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
Systems: Windows, MacOS, Linux, iOS
Applications: Wireshark, EnCase, Cellebrite, Intella, Axiom, Oxygen Forensic Detective
Knowledge In: Cryptography, Web Protocols, Authentication, OWASP Top Ten

Professional Experience:

National Aeronautics and Space Administration, Washington D.C.

June 2023 - Present

SCaN Network Integrity Intern, 40 hours/week

- Working for the cybersecurity team in the Space Communications and Navigation program at NASA HQ
- Helping to maintain availability and integrity of NASA's Near Space Network and Deep Space Network
- Assisting in securing communications to enable success for over 100 space missions

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