

Owen Seltzer

Boston, MA

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Education:

Northeastern University, Boston, MA

September 2020 - Present

GPA: 3.95/4.00, Dean's List

Expected graduation: May 2024

Candidate for Bachelor of Science in Cybersecurity with concentration in Cyber Operations

Coursework: Systems Security, Information Forensics, Object-Oriented Design, Computer Systems, Networks

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

Computer Proficiencies:

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

Systems: Windows, MacOS, Linux, iOS

Applications: WSL, ProTools, EnCase, Cellebrite, Intella, Axiom, Oxygen Forensic Detective

Knowledge In: Metasploit, BurpSuite, WireShark, Nmap, Hashcat, Tor, PGP Encryption

Projects:

Personal Website:

2015 - Present

- Own and operate owenweb.tk, a personal resume website and Nextcloud instance for file management
- Hosted a plethora of personal projects over the years such as basic social networks

Raft Distributed Key-Store Implementation:

April 2022

- Developed an implementation of the Raft Consensus Algorithm, utilizing Python
- Tested the implementation rigorously to ensure the algorithm would function correctly in all possible conditions

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

Professional Experience:

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

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

Jersey Mike's Subs, Waterford, CT

April 2019 - August 2021

Shift Manager, 5-25 hours/week

- Handled money and managed employees, serving as a liaison between them and corporate management
- Addressed questions and concerns from customers while staying professional

Interests:

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