Maxwell **Sebso**

AVAILABILITY: MAY 2022 - DECEMBER 2022

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Education

Northeastern University - Khoury College of Computer Sciences   *Boston, Massachusetts*
CANDIDATE FOR A BACHELOR OF SCIENCE DEGREE IN CYBERSECURITY   *Sep. 2019 - Apr. 2023*
- GPA: 3.78/4.0 | Dean's List: Fall 2019 - Summer 2021
- Related Courses: **Foundations of Cybersecurity, Computer Systems, Systems Security, Networks and Distributed Systems, Network Security, Cryptography, Mobile and Wireless Systems, Data Structures and Algorithms, Object Oriented Design**, Fundamentals of CS 1/2, Discrete Structures, Programming in C++, Theory of Computation
- Clubs: NU Security, Code4Community, NU Downhillers, NU Quantum Computing, Phi Gamma Delta

Technical Knowledge

Coding Languages: • Java • C • Python • JavaScript / Typescript • C++ • AMD64 Assembly • HTML/CSS • Rust (Beg.)

Frameworks: • React • Java Vert.X • PostgreSQL • Redux • VMWare • scapy • Java Spring (Beg.)

Development: • Docker • Git • GDB • Socket Programming • RESTful API Design • Test Driven Development • Vim

Related Experience

The Norfolk & Dedham Group   *Dedham, Massachusetts*
SYSTEM SECURITY ADMINISTRATOR   *Jul. 2021 - Dec. 2021*
- Executed threat enumeration on network and applications daily using a variety of tools and implemented remediations
- Conducted weekly full anti-virus scans of devices, looking at the logs and other information sources for correct actions to take
- Implemented an internal Public Key Infrastructure to be used by company internal applications
- Developed python scripts to automate mundane and tedious tasks / actions
- Managed 500+ machines, maintained network health and communicated with employees to troubleshoot problems

Code For Community (C4C)   *Boston, Massachusetts*
TECH LEAD / FULL-STACK SOFTWARE ENGINEER   *Sep. 2019 - Present*
- Lead of Software Development Team focused on developing and maintaining full-stack software solutions for non-profit organizations within Boston
- Creating tickets for developers and assisting them with technical questions
- Developed full-stack data collection and visualization tool used to collect metrics on 450+ schools
- Co-Lead in developing "C4C Jumpstart" program that teaches other students how to develop web applications
- Products Built: Lucy's Love Bus, Hands Across The Sea, C4Cneu.com || Tech Stack: Frontend - React/TS, Backend - Java/Vert.x

Khoury College of Computer Sciences   *Boston, Massachusetts*
TEACHING ASSISTANT   *Jan. 2021/22 - May. 2021/22*
- Teach Computer Systems course to students which focuses on topics such as: computer hardware concepts, programming in the C and Assembly language, computer architecture and computer structure
- Hold weekly office hours, grade assignments, and answer questions on forums

Projects & Activities

Capture The Flag Security Competitions   **Hackathon Competitions**
- Hack The Box Rooms   • nuCTF   - LA Hacks - created app that uses AI to scan business cards & extract info
- MetaCTF   • hxp CTF 2021   - Hack By The Sea - created a virtual reality relaxation space; most practical
- xCTF by CyBRICKS   - Explo Hacks - created app to track fitness info and help users live healthy

Course Connection || January 2021 - Present
- Developing a full-stack web application using React with Typescript in the frontend and Java Spring on backend with PostgreSQL
- Creating a space for college students to find tutors for their specific courses at their university

Q-Census: A Distributive Key-Value Store || March 2021 - May 2021
- Developed a Python implementation of the raft quorum-consensus protocol for a distributed, replicated key-value store that can tolerant a variety of network faults.

Interests: • **Ethical Hacking** • **Software Development** • **Blockchain** • **Snowboarding** • **Meditating**