

EVAN DEFLOOR

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Education

NORTHEASTERN UNIVERSITY KHOURY COLLEGE OF COMPUTER SCIENCES

Candidate for B.S. Cybersecurity. **GPA 3.95/4.0.** Dean's list | Honors College

Clubs: President & Co-founder of CTF Club, Member of: NUCCDC, NUCPTC

Related coursework: Object Oriented Design, Systems Security, Networks & Distributed Systems, Algorithms, Computer Systems, Windows Malware, Network Security, Forensics

Sept 2021 - Present

Expected: May 2025

Boston, MA

Technical Skills

Certifications: ISC2 CC, CompTIA Security+ | **Languages:** Java, JavaScript, C#, Python, HTML, CSS, SQL, Go, Rust, C, Visual C | **Frameworks:** AngularJS, Selenium, PyAutoGUI, EF6, Flask | **OS:** Windows 7/10/11, Linux (Debian-based, RPM-based, Arch, NixOS) | **Technologies:** AWS EC2, Kubernetes, Docker, GDB, Burp Suite, nmap, Wireshark, VMWare, VirtualBox, Ghidra, Git, nginx, Active Directory, Tailscale, x64dbg, TCP

Projects & Experience

Full-featured Windows Malware

Spring 2024

- Designed and created a C2 framework, client, and implant for Windows machines in Windows Visual C
- Participated in team, creating thread hijacking process injection, infrastructure setup, client frontend, chrome password stealer, hotkey persistence, TLS encrypted channels, string obfuscation, and more capabilities

Lisp language created in C

Summer 2023

- Followed online blog to create a fully functional Lisp written in C on Neovim
- Learned about PL concepts needed to make a Lisp language such as S-expressions

RAFT Key-Value Database in Go

Spring 2023

- Implemented a concurrent, distributed, replicated key-value database based on the RAFT protocol using Go
- Keep high availability and correct data even through server outages and unreliable connections

TCP Lite Implementation in Python

Spring 2023

- Created program in Neovim to emulate a reliable transport protocol built on top of UDP
 - Simulated through clients with varying reliability, such as dropped, corrupted, & duplicated packets
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Experience

Cyber Security Engineer HOLOGIC, INC.

July 2023 – Dec. 2023

Marlborough, MA

- Created Python scripts to interact with Tenable API to automatically tag devices
- Implemented VECTR Purple Teaming software to manage red/blue team activities and create attack campaigns that map to Kill Chain and MITRE ATT&CK techniques

Team Member NORTHEASTERN UNIVERSITY COLLEGIATE CYBER DEFENSE TEAM

Dec. 2022 - Present

Boston, MA

- Defend against cyber attacks on a network while maintaining critical services
- Placed 1st in Northeastern CCDC regionals in 2024, 9th in Cyberforce in 2023

Undergraduate Research Assistant NORTHEASTERN UNIVERSITY

Sept. 2022 – Aug. 2023

Boston, MA

- Extract finite state machine from network protocol RFCs w/ Dr. Cristina Nita-Rotaru
- Learn grammar for annotating RFCs to be used in the project, improve upon past annotations, analyze current grammar to adapt to additional RFC's

Teaching Assistant, Foundations of Cybersecurity NORTHEASTERN UNIVERSITY

Sept. 2022 - Dec. 2022

Boston, MA

- Created informative videos for hacking tools like Hashcat and the HAK5 Rubber Ducky; supported students' wellbeing; held office hours, answered questions
- Created an assignment for students to complete including packet capture forensics and backdoor access to a remote Linux machine

Full Stack Web Developer THE DIGITAL ACADEMY ENTERPRISE DATA SOLUTIONS, INC.

June 2020 - Aug. 2022

Cleveland, OH

- Built and composed a support ticket system, created/modified sections of the site ex. user manager administration, home page, site navigation, school management
- Programmed effectively in C#/EF6/SQL, JavaScript/AngularJS/HTML/CSS/Less
- Lead the front-end rework of the site, including page headers, navigation system, color changes, new look and feel of login/home/manager pages, etc.
- Performed major rework to the school announcement GUI and presentation