

EVAN DEFLOOR

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Education

NORTHEASTERN UNIVERSITY KHOURY COLLEGE OF COMPUTER SCIENCES

Candidate for B.S. Cybersecurity. **GPA 3.96/4.0.** Dean's list | Honors College

Sept 2021 – May 2025

Boston, MA

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

Clubs: President of CTF Club, member of Cyber Defense Team, Penetration Testing Team

Technical Skills

Certifications: ISC2 CC, CompTIA Security+ | **Languages:** Java, JavaScript, C#, Python, HTML, CSS, SQL, Go, Rust, C, Visual C | **Frameworks:** AngularJS, Flask | **OS:** Windows 7/10/11, Linux (Debian-based, RPM-based, Arch, NixOS) |

Technologies: AWS EC2, Kubernetes, Docker, Burp Suite, nmap, Wireshark, VMWare, VirtualBox, Ghidra, Git, nginx, Active Directory, Tailscale, x64dbg, Sysinternals, Win32 API, NodeJS, ScyllaDB, NoSQL, GPO, GDB

Projects

Specialized Linux ARM Malware

Spring 2025

- Targeted special pseudo-Android environment to exfiltrate data with a C2 server, client app, and implant in C
- Wrote functionality incl. DNS over HTTPS checkins, ptrace process injection, in-memory SO loading, roundtrip protobuf HTTPS communications with mbedTLS, reflective SO, file in/out, specialized data looting, and more

Full-featured Windows Malware

Spring 2024

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

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

Experience

Cyber Systems Exploitation Co-op, MIT LINCOLN LABORATORY

Aug. 2024 – Dec. 2024

Lexington, MA

- Created performant database solution using ScyllaDB, optimizing read operations to beat naive implementation by a factor of 40 to serve malware analysis platform
- Sped up queries vs. current Postgres implementation by 1200+% w/ greater scalability

Cyber Security Trust & Assurance Intern, MITRE

May 2024 – Jul. 2024

Bedford, MA

- Designed VisJS graph to visualize reinforcement learning based network defense project, compiled PostgreSQL database of ATT&CK to CLI command mappings

Jul 2023 – May 2025

Boston, MA

CTF Club Co-Founder & President, NORTHEASTERN UNIVERSITY

- Hands-on workshops & competitions of 60+ students to teach offensive cybersecurity

July 2023 – Dec. 2023

Marlborough, MA

Cyber Security Engineer HOLOGIC, INC.

- Created Python scripts to interact with Tenable API to automatically tag assets
- Implemented VECTR Purple Teaming software to manage red/blue team activities

Team Member, NORTHEASTERN UNIVERSITY COLLEGIATE CYBER DEFENSE TEAM

Dec. 2022 – May 2025

Boston, MA

- Defend against cyber attacks on a network while maintaining critical services
- Placed 1st in Northeastern CCDC regionals in 2024, 7th Nationals, 9th in Cyberforce

Undergraduate Research Assistant, NORTHEASTERN UNIVERSITY

Sept. 2022 – Aug. 2023

Boston, MA

- Extract finite state machine from network protocol RFCs w/ Dr. Cristina Nita-Rotaru
- Improve upon past work, analyze current work to adapt to additional RFC's

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 major sections of the site ex. user manager administration, home page, site navigation, school management
- Programmed effectively in C#/EF6/SQL, JavaScript/AngularJS/HTML/CSS
- Lead front-end rework of site, including school announcement GUI & presentation