# EVAN **DEFLOOR**

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## Education

**NORTHEASTERN UNIVERSITY** KHOURY COLLEGE OF COMPUTER SCIENCES — Sept 2021 - Present
Candidate for B.S. Cybersecurity. **GPA 3.96/4.0**. Dean's list | Honors College — Expected: May 2025
**Related coursework**: Object Oriented Design, Systems Security, Networks & Distributed Systems, Algorithms, Computer Systems, Windows Malware, Network Security, Forensics — 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, Burp Suite, nmap, Wireshark, VMWare, VirtualBox, Ghidra, Git, nginx, Active Directory, Tailscale, x64dbg, Sysinternals, Win32 API, NodeJS

## Projects

**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

**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

## Experience

**Cyber Security Trust & Assurance Intern** MITRE — May 2024 – Jul. 2024, Bedford, MA
- Designed realtime graph with NodeJS VisJS to visualize network of reinforcement learning based network defense project, FARLAND
- Compiled PostgreSQL database of ATT&CK to CLI command mappings and wrote Python scripts to evaluate ChatGPT's ability to map arbitrary commands to ATT&CK

**CTF Club Co-Founder & President** NORTHEASTERN UNIVERSITY — July 2023 – Present, Boston, MA
- Holds hands-on workshops and CTF competitions of 60+ students to teach offensive cybersecurity, became largest security organization on campus in one semester

**Cyber Security Engineer** HOLOGIC, INC. — July 2023 – Dec. 2023, Marlborough, MA
- 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 - Present, 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
- Learn grammar for annotating RFCs to be used in the project, improve upon past annotations, analyze current grammar 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 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 front-end rework of site, including school announcement GUI & presentation