

Ryan Raschkovsky

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EDUCATION

Northeastern University

Boston, MA

Candidate for: BS Cybersecurity

Expected Graduation: April 2028

- Relevant coursework: Systems Security, Networking, IOT vulnerability, Data Privacy, Cryptography
- Member of: Amateur Radio, Language, & CTF Club, CCDC Prospect (Collegiate Cyber Defense Competition)
- NUIN Study-Aboard Program (Fall 2024); American College of Thessaloniki; Received Certificate of Achievement for coordination of the ACT Cybersecurity Competition

EXPERIENCE

Network and Systems Consultation

Boston, MA

Slavov Lab, Northeastern University

Feb. 2025 – Current

- Recruited by PHD researchers in the Northeastern Slavov Biotechnical lab for Single-cell proteomics
- Configured organized storage solution for Mass spectrometry data that was previously on various disjoint drives
- Worked on server hardware and network services for enterprise storage solutions
- Topics: Proxmox, TrueNAS, Zpool for ZFS, Wireguard, SCP/Rsync, FTP, MS, Singularity, Spack, and MaxQuant

Advisor and Coordinator, ACT Cybersecurity Competition

Thessaloniki, Greece

American College of Thessaloniki

Sept. 2024 – Dec. 2024

- Organized university-wide CTF competition; Held post-meeting workshop with experts in binary exploitation
- Utilized 2007 Windows software, telnet protocol, singular switch, and an isolated network
- Taught Linux and Networking fundamentals to around 30 students and Staff Members
- Topics: EDR Tuning, Wireshark Analysis, Directory Fuzzing Network Reconnaissance, & Wordpress Injections

Internship for UX/UI Agency

Los Angeles, CA

The Early Inc. Design Agency

Aug. 2023 – Dec. 2023

- Performed Financial consultation as Sales Representative as I focused on Client Acquisition & general Accounting
- Managed Retention/Viewship Analytics & Segmentation, Search Engine Optimization, & Web Development
- Additional Topics: Fixed-Window Rate Limiting, React, HTML/CSS, WordPress, DigitalOcean, & LaTeX

PROJECTS

FPV Modeling and Drone Build

May. 2024 – Aug. 2024

Personal Summer Project

- Designed Analog FPV Quadcopter for Competitive Racing and Cinematography
- Performed custom PID tuning for motor speed & rotational-rate for Speedybee Flight Controller
- Modeled and Printed custom Baseplate & Supports using Fusion 360 and Blender

Northeastern VR Development Program

Jul. 2022 – Aug. 2022

Northeastern University

- Designed Stealth Style MR Horror game in Unity based on Slenderman and Phasmaphobia
- Modeled Characters & Environment using Blender and AutoDesk; Designed custom audio with FMOD Studio
- Scripted Player Tracking, Object Interaction, Collision, & MR Compatibility using C# and the Oculus XR SDK

GENERAL SKILLS

Cybersecurity: Reverse Engineering (Malware focus), Embedded Device and IOT exploitation (Flash Memory Chip Analysis), Active Directory DS (Kerberoasting and DCSync), OSINT, Kubernetes, & Packet Analysis

Programming: Python, Racket, Java, JavaScript, HTML, C, ASM, LaTeX, and Emacs-Lisp

Learning: Haskell, COBOL; Theory such as: Lambda Calculus, Monads - Functional Programming, & Category Theory

Operating Systems: Windows, Mac, Linux, Plan9, & TempleOS; Building/Deploying custom embedded Linux systems

Security and Networking: Protocols, Firewalls, and encryption techniques in personal and client systems

INTERESTS

Radio Operation: FCC Technician Certification for Amateur Radio; Operating as volunteer for 2025 Boston Marathon

Language/Linguistics: Portuguese, English, Spanish, Japanese, & Greek; Learning: TokiPona, Mandarin & Hindi

Beginner/Intermediate Portuguese teacher for 20+ students; Northeastern University's NUCALLS program

Design and Art: 3D Modeling, Animation, Architecture, ASCII Art, Vector Art, Motion Graphics, & Typography