

# Sean Finch

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Available May - December 2025 Boston MA | Local: Southern California

## Education

**Northeastern University**, Boston MA | Khoury College of Computer Sciences September 2023 - Present

*Candidate for a Bachelor of Science in Cybersecurity, Minor in Music*

Expected Graduation May 2027

**Relevant Coursework:** Systems Security, Computer Systems, Network Fundamentals, Object-Oriented Design, Algorithms and Data, Discrete Structures, Foundations of Cybersecurity, Fundamentals of Computer Science 1 & 2

**Activities:** Northeastern Electric Racing, CTF Club, OASIS, Alpha Phi Omega, Northeastern University Choral Society, Cheese Club, Tabletop Roleplaying Society, Huskies Outdoors Club

## Technical Skills

**Operating Systems/Software:** Tenable.IO, Qualys, Elastic, Proxmox, CasaOS, GitHub, GitLab, Ubuntu Server, Docker, Windows Server, TrueNAS SCALE

**Programming Languages:** Java, Kotlin, TypeScript, JavaScript, HTML, Tailwind, CSS, Python, C++, C, Assembly, Prisma

**Cybersecurity Skills:** SIEM, Incident Response, Vulnerability Assessment, VPN, System Administration, Virtualization, Threat Intelligence, Identity and Access Management (IAM)

**Other:** Git, React.js, Node.js, 3-2-1 Backup, JUnit, Code Refactoring, Object-Oriented Programming, Test-Driven Development

## Experience

### Northeastern University

*Mechanical and Industrial Engineering IT Support*, Boston MA

September 2024 – Present

- Administered devices for the Mechanical and Industrial Engineering Department, ensuring optimal performance
- Configured and maintained software on departmental devices, enhancing reliability and minimizing disruptions

*Eco-Representative at Rense Depot*, Oakland CA

January 2024 – April 2024

- Enhanced product tracking system in Excel with comprehensive formulas, ensuring accurate sales tracking
- Implemented a new system for efficient product sorting and stocking, reducing retrieval times and increasing customer flow

### CENIC

*Cybersecurity Intern*, La Mirada CA

May 2024 – August 2024

- Audited security scans for vulnerabilities within CENIC, assigning tickets and improving overall system and device security
- Documented security processes and software usage in Confluence, enhancing team collaboration and compliance
- Captured and verified detailed DDoS metrics on the CalREN Network, bolstering threat detection and response
- Gathered KPI metrics on the effectiveness of initiatives, demonstrating drastic improvements in cybersecurity posture

### AFA CyberPatriot

*Team Commander*, Fullerton CA

January 2020 – January 2023

- Retained existing and recruited new members, improving team cohesion and doubling the size of the team from 5 to 10
- Developed a training curriculum to address gaps in knowledge and inefficiencies, improving performance by 25% – 50%
- Guided team to achieve higher placements, culminating in being California's top placed AJROTC team in 2021 and 2022

## Projects

**Storefront Website** | [GitHub Demonstration](#) | React.js, Tailwind, TypeScript

November 2024

- Designed and built a responsive website to effectively showcase baked goods, allowing accessibility across devices
- Developed dynamic features to enhance user engagement and ensure seamless navigation throughout the site
- Integrated a robust checkout system to streamline order tracking and ensure efficient product delivery to customers

**ThreeTrios** | Java, JUnit, JFrame

October 2024

- Developed a strategic card game using abstraction and polymorphism, enhancing code reusability and user engagement
- Designed a modular MVC architecture with encapsulation, ensuring scalability and simplifying feature integration
- Created comprehensive unit and integration tests to validate game logic and ensure robust, error-free gameplay

**Personal Website** | [GitHub Demonstration](#) | React.js, Tailwind, TypeScript

March 2024

- Created a responsive website to showcase professional skills and projects, enhancing accessibility and personal branding
- Integrated light and dark mode with device theme detection and manual toggle, enhancing accessibility and personalization
- Optimized website performance with modern web technologies, reducing load times and improving

**Homelab Infrastructure** | Proxmox, Docker, CasaOS

June 2022

- Utilized Proxmox for home virtualization, efficiently managing backups of personal records, photos, and videos
- Actively explore various platforms to improve system performance, scalability, and future-proof home infrastructure

## Interests

Biking, Hiking, Photography, Backpacking, Swimming, Gaming, Singing, Romanian Culture