

# Sean Finch

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Available May - December 2026 | Local: Boston MA | Permanent: Southern California | Open to Relocation

## Education

**Northeastern University**, Boston MA

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 University Choral Society (Chorus and Chamber Ensemble, Vice President Spring 2025, President Fall 2025), Alpha Phi Omega (Service Committee Member Fall 2025), Cheese Club, OASIS, Northeastern Electric Racing, CTF Club

## Technical Skills

**Technologies:** Intune, Active Directory, Tenable, Qualys, Elasticsearch, Kibana, Git, Proxmox, Linux, TrueNAS SCALE, Tailscale, Nginx, Caddy, Docker, Wireshark, JUnit, React.js, Node.js, Express.js, Tailwind, Prisma, Swing

**Cybersecurity:** SIEM, Incident Response, Vulnerability Assessment, NIST Cybersecurity Framework, VPN, System Administration, Virtualization, Threat Intelligence, Identity and Access Management, Cryptography, Symmetric and Asymmetric Encryption, Penetration Testing, Code Injection, MITRE ATT&CK

**Languages:** Java, Kotlin, TypeScript, JavaScript, HTML, CSS, Python, C/C++, x86 Assembly, SQL

## Experience

### Audax Group

*IT Operations Co-op*, Boston MA

May 2024 – December 2025

- Automated Windows device provisioning using PowerShell scripts; restructured deployment workflows and documentation ahead of SmartDeploy-to-Autopilot migration, reducing imaging time by 20% and increasing operational consistency
- Assisted with Autopilot rollout by repackaging software as Intune Win32 apps to ensure consistent deployments
- Replaced all manual internal ticket creation with Freshservice Service Request forms, reducing intake time by 30% and enforcing structured workflows for onboarding, reimaging, and asset recovery
- Delivered technical presentations on infrastructure automation and process optimization to senior leadership; received commendation from CIO for improving IT efficiency and operational resilience

### Northeastern University

*Mechanical and Industrial Engineering IT Support*, Boston MA

September 2024 – April 2025

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

### 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 improvements in response times and overall posture

### AFA CyberPatriot

*Team Commander*, Fullerton CA

January 2020 – January 2023

- Lead my team to secure intentionally flawed Windows and Linux virtual machines by resolving vulnerabilities in the system's security and user access policies, deciphering cryptographic codes, and ensuring critical services are enabled
- Developed a curriculum to address knowledge gaps, culminating in being California's top AJROTC team in 2021 and 2022

## Projects

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

November 2024

- Implemented a responsive website to effectively showcase baked goods, allowing accessibility across mobile and desktop devices
- Integrated a robust checkout system that interfaces with Venmo on desktop to autofill the price and items purchased

**Homelab Infrastructure** | *HexOS, TrueNAS SCALE, Proxmox, Docker, Nginx*

June 2022

- Utilized Proxmox Hypervisor with CasaOS and Docker to efficiently manage backups of personal records, photos, and videos
- Reverse proxied web interfaces using Nginx and Tailscale to enable secure remote access over TLS on my own domain
- Recently migrated operating system to HexOS and TrueNAS SCALE to improve system performance and stability

## Interests

Reading, Cars, Biking, Hiking, Photography, Gaming, Singing, Piano, Romanian Culture