Sean Finch

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Available May - December 2025 | Local: Boston MA | Permanent: 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, Northeastern University Choral Society (Vice President Spring 2025), Alpha Phi Omega, Cheese Club, Tabletop Roleplaying Society, Huskies Outdoors Club

Technical Skills

Operating Systems/Software: Tenable, Qualys, Elastic, Proxmox, GitHub, Ubuntu Server, Docker, Windows Server, TrueNAS

Languages/Frameworks: Java, Kotlin, TypeScript, JavaScript, HTML, Tailwind, CSS, Python, C++, C, Assembly x86, 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 Reuse 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 | Website | *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, Swing* — October 2024
- Developed a strategic card game using object-oriented principles, 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 | Website | *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 user experience

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