

Tyler Rex

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EDUCATION

San Diego State University

San Diego, CA

B.S. Computer Science | GPA: 3.82 | Mathematics and Economics minors

Expected May 2029

- Relevant Coursework: Fundamentals of Digital Security and Privacy, Unix/Linux Systems Administration, Data Structures and Algorithms, Computer Organization

EXPERIENCE

SDSU Cyber Defense Team

San Diego, CA

Member

Fall 2025 – Present

- Participated in two CCDC invitationals, assessing user accounts, running services, open ports, and containerized applications on Linux hosts under time constraints.
- Practiced Linux administration, networking, and service hardening in cyber defense labs and Capture the Flag preparation.
- Participated in three National Cyber League seasons, completing individual and team challenges across Linux, networking, cryptography, and log analysis.

Target

San Jose, CA

Guest Advocate | Drive Up and Order Pickup

May 2026 – Aug. 2026

- Resolved customer questions and coordinated time-sensitive pickup orders while maintaining accurate checkout transactions.

PROJECTS

Unix/Linux Systems Administration Infrastructure | CS 470

Spring 2026

- Built and administered a virtual lab spanning six Unix/Linux operating systems and eight or more network, identity, security, and application services.
- Configured BIND DNS, LDAP, PKI/TLS, SSH, NFS, mail, Docker, and nginx across multiple hosts; tested connectivity and troubleshooted service failures.
- Automated repeatable host configuration with Ansible and practiced VM backup, restore, and migration with Proxmox.
- Extended the environment into Azure and deployed a self-hosted GitLab instance for source control and issue tracking.

TECHNICAL SKILLS

Languages: Python, C++, Java, C, Bash, JavaScript, HTML

Systems: Linux, OpenBSD, FreeBSD, AlmaLinux, Ubuntu, macOS, Windows

Security and infrastructure: TCP/IP, DNS, LDAP, PKI/TLS, SSH, NFS, Docker, Git, GitLab, Ansible, Proxmox, Azure

Training in progress: Google Cybersecurity Professional Certificate; CompTIA Security+ preparation