

Toddeh Alexander

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[github](#) | [linkedin](#)

EXPERIENCE

Honda Racing Corporation (HRC)

October 2024 - Present

Network Engineer

Santa Clarita, California

- Provide real-time network infrastructure and communications support during live IndyCar and IMSA racing events, maintaining 99.9% uptime and secure high-speed connectivity for 35+ trackside engineers working in race trailers via IPsec VPN tunnels between track operations and headquarters.
- Architected and deployed enterprise LAN infrastructure featuring Aruba 6405 core switches in redundant dual-core configuration with 3 edge switches, leveraging LACP for dynamic link aggregation (LAG) and comprehensive VLAN implementation to clone existing network topology.
- Automated configuration deployment through Ansible playbooks for consistent configuration management, audit compliance, and streamlined change control processes.
- Deploy and configure 12+ Cisco Firepower 2100 firewalls, successfully migrating 300+ NAT rules and ACLs from legacy ASA units while maintaining network segmentation, security policies, and no downtime during work hours.
- Administer 150+ Azure Windows Server VMs and core infrastructure services (SQL, load balancers, HA clusters), ensuring 99.9% uptime for engineering workloads and scalable performance during peak race operations.
- Manage Active Directory for 200+ endpoints, implementing Group Policies and automated provisioning workflows that standardize workstation security baselines and reduce manual onboarding effort by 70%.
- Lead deployment and configuration of Microsoft Teams Rooms (MTR) systems for executive conference and race operations centers, including AV hardware integration, centralized management, and user training to ensure reliable collaboration between remote and headquarters teams.
- Develop and maintain custom PowerShell automation scripts integrated with Crowdstrike & Qualys for vulnerability assessment and remediation, reducing critical security vulnerabilities by 98% and improving patch management compliance across the entire infrastructure.

Kayne Anderson Rudnick

January 2022 - August 2022

Information Technology Technician - Intern

Los Angeles, CA

- Designed and constructed 500-square-foot enterprise server room infrastructure, including rack installation for 10 Cisco switches/routers, power distribution, cooling systems, and structured cabling for network backbone supporting 150+ users.
- Delivered cross-platform technical support for 100+ users (Windows, macOS, Linux), achieved a 95% first-call resolution rate, and streamlined hardware deployments and AD account provisioning to reduce ticket backlog.

SOFTWARE DEVELOPMENT PROJECTS

Pokemon Master

May 2024

React, Python, Flask, Docker, OpenAI

[\[GitHub\]](#)

- Developed a full-stack web application enabling real-time AI-driven Pokémon battles, combining a React frontend with a Flask backend for seamless, interactive gameplay.
- Implemented game theory algorithms (minimax with alpha-beta pruning), achieving a 90% reduction in move computation time (50s → 5s) for more responsive and strategic AI behavior.

AI Educational Chatbot

February 2024

React, Flask, Docker, OpenAI, Llama Index

[\[GitHub\]](#)

- Led a 4-person development team in a 24-hour hackathon, winning the "Most Daily Use/Practical" award for a chatbot capable of accurately answering questions using textbook content.
- Converted three textbooks into vector embeddings stored in a vector database, enabling high-speed, context-aware information retrieval.

TECHNICAL SKILLS

Network & Infrastructure	Cisco FTD/ASA Aruba AOS-CX IPsec VPN Windows Server Active Directory
Security & Monitoring	Qualys VMDR CrowdStrike SolarWinds SNMPv3 Vulnerability Management Nmap
Automation & Scripting	PowerShell Python Bash API Integration Change Management Documentation

CERTIFICATIONS

Azure Administrator Associate (AZ-104)

Completed July 2025

Aruba OS-CX Switching Fundamentals

Completed Aug 2025

Azure Developer Associate (AZ-204)

In Progress – Expected September 2025

EDUCATION

California State University-Fullerton

December 2024

Bachelor of Science in Computer Science | Minor in Cybersecurity

Fullerton, CA