

## VOLUNTEER EMPLOYMENT

Junior Network Engineer	Cardinal IT	December 2025 - Present
Cardinal IT - San Jose, CA		
<ul style="list-style-type: none"><li>• Deployed and managed <b>over 30 UniFi network systems</b> for commercial and residential clients, including APs, cameras, routers, and firewalls.</li><li>• Designed and implemented <b>VLANs, guest networks, and remote VPN access</b> to enhance security and optimize performance.</li><li>• Configured <b>firewall policies</b> and <b>threat mitigation settings</b> to meet client cybersecurity needs.</li><li>• Installed and optimized <b>UniFi Protect</b> video surveillance systems with remote access capabilities.</li><li>• Delivered <b>technical support, documentation, and user training</b> to ensure smooth system handover.</li></ul>		

## EDUCATION

Corvallis, OR	Oregon State University	Summer 2023 – March 2025
<ul style="list-style-type: none"><li>• B.S.E. in Computer Science Engineering.</li></ul>		
Tacoma, WA	Tacoma Community College	Summer 2017 - Dec 2021
<ul style="list-style-type: none"><li>• Associate of Science in Computer Science</li></ul>		

## Certifications

- CompTIA Network+
- CompTIA Security+

## Projects

- **Network Infrastructure Deployment** — Full-stack installation and management of UniFi systems across multiple client sites. (UniFi Controller, VLANs, firewall, VPN, surveillance setup)
- **System Hardening Projects** — Applied network security best practices including access control, segmentation, and encryption for client network infrastructures.
- **Home Lab** — Built and maintained Windows, Linux, and pfSense lab environments to simulate production-grade network operations and security incident response
- **Human Resources** – Built a full-stack HR platform with React, TypeScript, and Material UI, featuring onboarding, training, and feedback modules. Developed REST APIs with Express and implemented responsive UI, form validation, and real-time search
- **Animal Dating Web Application** – Built backend APIs and business logic for a **full-stack web application** using **Flask (Python)**, enabling user authentication, profile management, and match recommendations. [GitHub](#)
- **Cloud Computing Project (2024)** — Developed a **RESTful Flask API** with **Docker containerization** and **MySQL database**, deployed on **Google Cloud Platform**. [GitHub](#)
- **Digital Defense Project (2024)** — Conducted **security analysis** using tools like **Wireshark** and **Nessus**, evaluated network traffic, vulnerability scanning, and basic security hardening techniques. [GitHub](#)

## Languages and Technologies

- **Networking:** UniFi Networks (Controller, Protect, Firewall, VPN), VLANs
- **Systems:** Windows Server, Ubuntu Linux, Kali Linux, macOS
- **Security:** Wireshark, Nessus vulnerability scanning, VPN configuration, network segmentation
- **Cloud & DevOps:** Docker, Google Cloud Platform, RESTful APIs, MySQL
- **Programming:** Python (Flask), Bash scripting, SQL
- **Web Development:** Backend API Development (Flask), Authentication, REST API design
- **Software:** Visual Studio Code, Git, UniFi Controller