

Shayan Sheikh

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I am a recent graduate with a B.S. degree in Computer Network System Management, minor in Business, currently pursuing an M.S. degree in Engineering Management at the University of Southern California (USC). I am skilled in Cisco networking, Python, network configuration and troubleshooting, cloud technologies, technical support, and project management, with strong business acumen and an interest in technology and engineering.

Education

- **M.S. Engineering Management**
University of Southern California, August 2026 - December 2027, Los Angeles, CA
- **B.S. Computer Network System Management, Minor in Business**
San Jose State University, August 2021 - May 2026, San Jose, CA

Skills

- Cisco CCNA certified in Networks, Switching, Routing, and Wireless Essentials.
- Proficient in Python programming.
- AWS Certified: AWS Graduate - AWS Cloud Foundation
- Fortinet Certified Associate Cybersecurity
- Fortinet FortiGate 7.6 Operator
- A fast learner, enthusiastic, and productive, comfortable engaging with large groups in a fast-paced environment.
- Organized and friendly, with familiarity in inventory management and customer service.
- An effective communicator with strong technological aptitude.
- A problem solver focused on continuous improvement, receptive to feedback, and proactive in taking action.

Projects

Pi-Hole Lab:

- Configured and deployed Pi-hole for network-wide ad blocking.
- Administered Pi-hole as both a DNS and a DHCP server.
- Managed Raspberry Pi remotely and directly using SSH and TTL.
- Utilized the Pi-hole admin dashboard for blocklist management, troubleshooting, and traffic analysis.

Industry Check Project:

- Collaborated on the design and prototyping of an IoT-based machine health monitoring system.
- Developed API workflows and dashboard interfaces using HTML/CSS.
- Integrated sensors into predictive maintenance software.
- Troubleshoot network issues to minimize equipment downtime.
- Improved response times and identified machine failures for deployment and data analysis.

Alarm Annunciator Project

- Designed and constructed an Arduino Uno-based window alarm annunciator, incorporating seven LEDs, push buttons, and discrete electronic components.
- Monitored and programmed alert control routines within the Arduino IDE.
- Implemented and tested system operations including rapid LED flashing and buzzer activation.
- Simulated system-wide alerts.
- Performed troubleshooting to ensure system safety and reliability.

Traffic Light System

- Designed and implemented a three-color traffic light circuit using LEDs.
- Developed and uploaded custom control software using Arduino IDE, managing lighting and timed transitions.
- Performed circuit assembly and testing, optimizing breadboard layout, troubleshooting, and refining code.
- Gained expertise in both electronic hardware and software principles.

Senior Project

Smart Waste Bin - Spring 2026

Developed a prototype for waste detection and categorization, capable of identifying at least two waste types. The prototype also displays basic usage data via the Connect website or app.

Membership

[Network Engineering Technology Society \(NETS\)](#)

Member since 2024

Experience

GAP

November 2022- May 2023, San Mateo, CA

Retail Associate

- Greeted customers and efficiently located merchandise.
- Provided accurate and timely answers to customer inquiries.
- Supported various store operations, including the sales floor, fitting rooms, checkout, and back-of-house processes.

- Used basic information-gathering skills to solve problems

Rockin' Jump

August 2019 - January 2020, San Carlos, CA

Crew Member

- Maintained a positive and friendly demeanor with guests and team members.
- Supported the team lead with opening and closing procedures.
- Acted as a first responder to emergencies, taking appropriate action.
- Completed accurate incident reports promptly after accidents.

Party Host

- Orchestrated and executed all park parties and events, ensuring exceptional customer service for all guests.
- Managed the complete party room cycle, from initial setup and in-event maintenance to post-party cleaning.