

# SAMMY TESFAI

## University of California Santa Cruz

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## EXPERIENCE

### Software Engineering Intern

#### Cisco Meraki

June 2023 – Sept 2023    San Francisco, CA

- Developed solutions for testing latest firmware images using in-house frameworks and API hooks in an automated fashion. Worked on projects to automate changes within organizations testing repo to reflect current devices used within internal lab using POSTGRES database and Ruby APIs.

### Network Support Engineer Intern

#### Cisco Meraki

June 2022 – Aug 2022    San Francisco, CA

- Troubleshooting and support of Cisco Meraki security appliance, switches, access points, security cameras, and MDM systems.

### Junior Network Administrator

#### Remote Satellite Systems Int.

July 2017 – July 2021    Santa Rosa, CA

- Management of all company devices including satellite equipment.

### Telecommunications Supervisor

#### United States Marine Corps

June 2013 – June 2017    San Diego, CA

- Supervised and assisted in the setup of networks for users ranging over 200 for various operations.

## PROJECTS

### Multi-Chain Data Verification

#### Masters Thesis

June 2024 – Present

- Improving Multi-Enterprise Permissioned Blockchain System to provide more verifiability on recipients end to ensure assets are transmitted in a trustless environment.

### Automated Wagon

#### Educational Project

January 2023 – June 2023

- Automated device to carry items that may be too strenuous for individuals to carry. Utilizes Arduino and ChipKit boards and communicates with several types of sensors via I2C.

### Web Proxy Server

#### Educational Project

January 2022 – March 2022

- Web proxy for client requests for both secure and non-secure requests. Utilizes multi-threading, socket programming, open-ssl, and networking concepts.

## EDUCATION

### Masters of Science In Computer Science & Engineering

#### University of California Santa Cruz

September 2023 – Present

### Bachelors of Science In Computer Engineering

#### University of California Santa Cruz

September 2020 – June 2023    GPA: 3.93

### Associates of Science in

### Mathematics and Natural Science

#### Santa Rosa Junior College

June 2017 – May 2020    GPA: 3.86

## TECHNICAL SKILLS

C C++ Go Python Ruby  
JavaScript TypeScript Go Jenkins  
Git SDN Docker  
Routing/Switching  
Embedded System Design

## SOFT SKILLS

Multitasking Organization  
Problem Solving  
Leadership Flexibility

## COURSEWORK

- Distributed Systems
- Network Security
- Software Engineering
- Network/Socket Programming
- Operating Systems
- Computer Architecture
- Embedded Systems Design

## CERTIFICATIONS

- CompTIA Network+
- CompTIA Security+