

# SAMMY TESFAI

University of California Santa Cruz

@ sammytesfai@gmail.com  
github.com/sammytesfai

707-332-6957  
sammytesfai.github.io/

linkedin.com/in/siaraietesfai1/

## 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.

### 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. Ensuring all network equipment and end systems were operational.

### 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

### Client-Server File Replication

#### Educational Project

January 2022 – March 2022

- A simulated distributed file transferring between one client to different server location for redundancy. Utilizes multi-threading, socket programming, and networking concepts.

### 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.

### Automated Wagon

#### Educational Project

January 2023 – June 2023

- Automated device to be utilized within facilities to carry either several items or heavier items that may be too strenuous for individuals to carry. Utilizes Arduino and ChipKit boards and communicates with several types of sensors using I2C.

## 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

August 2020 – June 2023 GPA: 3.93

### Associates of Science in

### Mathematics and Natural Science

#### Santa Rosa Junior College

June 2017 – June 2020 GPA: 3.86

## TECHNICAL SKILLS

Ruby C C++ Python HTML  
Computer Architecture  
Socket Programming  
Embedded System Design Git  
Networking Concepts

## SOFT SKILLS

Multitasking Organization  
Problem Solving  
Leadership Flexibility

## COURSEWORK

- Data Structures and Algorithms
- Object- Oriented Programming
- Software Engineering
- Network Programming
- Operating Systems
- Computer Architecture
- Embedded Systems

## CERTIFICATIONS

- CompTIA Network+
- CompTIA Security+