

DAWOUD MAHMUD

dawoud.mahmud@gmail.com | (510) 505-4624 | [LinkedIn](#) | [GitHub](#) | [Website](#)

EDUCATION

University of California, Irvine

B.S. Computer Science, Minor in Mathematics

Irvine, CA

2022

EXPERIENCE

Software Engineering Intern

Extron Inc.

May 2021 - Sep 2021

Milpitas, CA

- Analyzed legacy shipping platform in order to create design document, reviewed and improved by internal stakeholders, outlining requirements for a replacement solution
- Synced daily with engineering team in India responsible for software development of the new system, ensuring requirements were understood and deliverables were met on time
- Developed and tested a set of at least 80 user journeys per sprint to verify that the software met the outlined business requirements
- Directed project to 75% completion, presented system overview to upper management, and outlined remaining deliverables upon handing it off due to completion of internship

Contributor and Maintainer

Open Source: [terraform-provider-mikrotik](#)

May 2023 - Nov 2023

San Francisco, CA

- [PRs [#1](#), [#2](#)] Leveraged terraform provider SDK and implemented client logic to add new resource types (Wireguard [Interface](#), [Peer](#)) to enable **terraform** management of RouterOS VPN settings
 - Wrote CRUD functions for each resources' router settings in **Go** and created tests to ensure functionality
 - Defined the schema for each resource and leveraged client code to manage the state of a Mikrotik router
 - Constructed **readme** pages to provide detailed instructions on how to use and test each feature
-

PROJECTS

FabFlix

Movie Searching Website ([Video Demo](#))

Jan 2022 - Aug 2022

UC Irvine

- Developed a full-stack website called FabFlix that allows users to register and login in order to search for over 5000 movies with various parameters incorporating **pagination** to display limited movies at a time
- Incorporated **Java** with **Spring Boot** framework for the backend, **React** for the frontend, and **MySQL** for the database using **JDBC** to connect the database with the backend
- Designed a preview of each selection with an overview and image of the movie

Study Abroad Website

Thailand Experiences (<https://github.com/DawoudMahmud/StudyAbroadWebsite>)

Nov 2021 - Jan 2022

Mahidol University

- Constructed a [multi-page website](#) using **Vue JavaScript** framework
 - Created captions to give a brief description detailing each image to enhance the user experience
-

SKILLS

Languages: C++, Go, Java, Python, JavaScript, HTML/CSS

Tools: Docker, Terraform, Java Database Connectivity (JDBC)

Frameworks: React, SpringBoot, Vue, Bootstrap, Node

Databases: SQL, MySQL, NoSQL
