

# MICHAEL LUU-TRONG

FULL-STACK SOFTWARE DEVELOPER

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## TECHNICAL SKILLS

JavaScript, Python, HTML, CSS, React, Redux, Express, Flask, SQL, SQLAlchemy, Sequelize, Git

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## PROJECTS

### GLIMMR

[Live](#) | [GitHub Repo](#)

A full-stack photograph-sharing web application similar to Flickr.

- Used the object-relational database system, PostgreSQL, alongside Python Flask to have full create, read, update and delete functionality for photographs and comments.
- Utilized a React with Redux in JavaScript in the frontend for an efficient and responsive user experience.
- Alongside React JSX, HTML and CSS are used for fine manipulation and tuning of elements.
- Implemented AWS S3 for image uploads for intuitive use and for storage scalability.

### WEBEAR

[Live](#) | [GitHub Repo](#)

A full-stack stock trading application inspired by Webull. Users can view stock prices, buy/sell shares from their portfolio, create watchlists of stocks, and do everything conveniently in one place from their dashboard.

- Implemented VictoryJS, a React component allowing for the dynamic visualization of stock information.
  - Employed Agile methodology to efficiently communicate progress, challenges, goals, and expectations with other members of the team.
  - Applied a Git workflow involving feature branches and a dev branch to ensure only properly tested code is committed to the main branch.
  - Utilized the Bcrypt hashing function in the backend in conjunction with React auth routes on the frontend to avoid storage of plaintext passwords and to prevent unintended access to user-specific data.
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## EXPERIENCE

### Senior Volunteer

Jul 2017 – Jul 2020

Karate For All, Tustin

Karate for All is an occupational therapy-based martial arts program for special needs children. The program emphasizes training students in self-defense, improving self-confidence, and social skills

- Taught proper karate technique and social skills to students.
- Trained other volunteers in karate technique, the occupational therapy-based approach, and ways to accommodate students with special needs (intellectual, social, and physical).

### Webmaster

Jul 2018 – Jun 2020

International Medicine, Education, and Development Club, Irvine

IMED is a club consisting of many community-based volunteering projects including orphanage trips, free clinic volunteering, global actions trips, and pre-med mentorship program.

- Created a new website, independently learning HTML and CSS in the process.
  - Improved communication with club members by providing unified location for forms, calendars, announcements, etc.
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## EDUCATION

Full-Stack Software Engineering

App Academy – 2023

Bachelor of Science | Biological Sciences - Magna Cum Laude

University of California, Irvine – 2020