Victor Muljo

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EDUCATION

University of Southern California   **Los Angeles, CA**
BS in Electrical and Computer Engineering, Minor in Web Technologies and Applications   *Graduation Date: May 2023*
Cumulative GPA: 3.90/4.00, Summa Cum Laude Honors
- *Relevant Coursework*: Advanced Front-End Web Development, Back-End Web Development, iOS App Development, Data Structures and Algorithms, Computer Programming with C++
- *Involvement*: Chinese American Student Association, Taiwanese American Organization, Recreational Sports Staff

SKILLS

- *Programming Languages*: JavaScript, HTML5, CSS, C++, Python, MySQL, PHP, Swift
- *Frameworks/Libraries*: React JS, Laravel, jQuery/AJAX, Bootstrap 5.0
- *Other Skills*: DOM, Git, GitHub, Photoshop, Microsoft Office, Figma

WORK EXPERIENCE

Daily Trojan   **Los Angeles, CA**
Frontend Developer   *November 2022–May 2023*

- Developed interactive website featuring USC Football team's season with HTML, CSS & JavaScript to achieve an increase in traffic from the previous season.
- Collaborated with a multi-disciplinary team of developers, editors & designers to maintain communication and create dynamic content pages for game scores and related articles.
- Proactively worked with UI/UX designers to suggest layout changes to improve the website's user experience, resulting in increased user engagement and improved website metrics.

PROJECTS

USC Keck Hospital Residency Database App – *https://residency-database-app.herokuapp.com/*

- Designed and developed a web application for Keck Hospital of USC using HTML, CSS, and Laravel and MySQL as the backend, which effectively managed resident information and improved the hospital's workflow.
- Utilized Bootstrap, Laravel Requests, and Eloquent queries to implement a searching and filtering feature based on resident specific levels, resulting in a more efficient and user-friendly way to access resident information.
- Collaborated with hospital staff and a multi-disciplinary team utilizing Agile methodologies to iteratively improve the app based on user feedback, resulting in an effective and desirable resident information management tool.

Gym Soul: Workout Logger – Web Application

- Developed a full stack application using HTML, CSS, JavaScript, PHP & MySQL to enable users to log, track and save workouts for effective organization.
- Constructed many-to-many table relationships between workout & logged exercise tables using primary keys to facilitate efficient data storage/retrieval; enabled 20% reduction of page loading time.
- Implemented AJAX technology between frontend JS and backend PHP for seamless single page searching/fetching from database, resulting in improved UX by 50%.

Gym Soul: Workout Logger – iOS Application

- Developed full stack iOS application using Swift, UIKit, and Firebase API, enabling users to create accounts, log, track, and save workouts for effective organization.
- Integrated the Wger API to provide users with a wide range of workout types and categories to enhance their workout selection and utilized EventKit to schedule workouts directly to the Calendar app.
- Implemented MVC design pattern for improved developer experience, organization and maintenance of application.