

# Jared Velasquez

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## Summary

College student completing a B.S. in Computer Science and Engineering at the University of California, Los Angeles. Proficient in multiple programming languages and frameworks. Passionate about software engineering and full-stack web development.

## Education

### University of California, Los Angeles

*Expected June 2025*

*Bachelor of Science, Computer Science and Engineering*

*Los Angeles, CA*

- ❖ Cumulative GPA: 3.917
- ❖ Relevant Coursework: Object-Oriented Software Development, Data Structures and Algorithms, Digital Systems Design, Software Construction, Calculus of Several Variables, Linear Algebra, Operating Systems
- ❖ Organizations: Pilipinos in Engineering and Science, Association for Computing Machinery, Upsilon Pi Epsilon

### Heritage High School

*September 2017 to June 2021*

*High School Diploma*

*Brentwood, CA*

- ❖ Weighted GPA: 4.47

## Technical Skills

- ❖ Java, C++, C, Python, Bash, HTML, CSS, Sass, TailwindCSS, JavaScript, Angular, React, React Native, Node.js, Express.js, Spring Boot.
- ❖ Knowledgeable in Object-Oriented Programming, Algorithm Analysis, Databases, REST API.
- ❖ Git, GitHub, Firebase Services, Firebase Admin SDK, MongoDB, MySQL, Hibernate, Microsoft Azure, XCode and Visual Studio Code IDEs, Emacs, Expo, and Postman.

## Experience

### UCLA Sensing & Robotics for Infrastructure (SRI) Lab

*January 2024 to Present*

#### Undergraduate Research Assistant

- ❖ Develop a C++ implementation of SCORE, an initializer for range-aided simultaneous localization and mapping (RA-SLAM) algorithms.
- ❖ Adapt SCORE from MIT's Marine Robotics Group to current data structures of the SRI Lab for use in underwater autonomous vehicles.
- ❖ Contribute functions and data structures to DCORA, a C++ library that implements a distributed solver for RA-SLAM and other related initialization algorithms.

### UCLA eHealth Research Lab

*July 2023 to January 2024*

#### Undergraduate Software Developer

- ❖ Developed views and components for Camradia, an ongoing mental health research project designed to promote physical fitness and mental wellbeing. Application built with React and Firebase Services.
- ❖ Advised and headed the migration of database querying and interaction from client-side to cloud functions for more secure authorization and input sanitization.

### UCLA Information Technology Services

*September 2022 to Present*

#### Assistant Customer Support Analyst

- ❖ Resolve issues in digital infrastructure to provide an enhanced technological experience for the students, faculty members, administrative staff, and other affiliated clients of UCLA.
- ❖ Troubleshoot issues in access and authentication, email clients, VPN clients, login systems, cloud services, and Windows/Macintosh operating systems.
- ❖ Provide high-quality client support by employing interpersonal skills with teammates and clients. Cooperate in the ease of operation of UCLA services to maintain customer satisfaction.
- ❖ Successfully resolve vast majority of client issues. Thoroughly documented processes and resolutions.

## Projects

### Edify

*July 2023 to September 2023*

- ❖ Implemented a single-page web application for a learning management system that facilitates interaction between students, teachers, and courses. Project built with Angular and Spring Boot.
- ❖ Developed REST API to send and read data for student management with Java Spring Boot, Hibernate, Azure Database for MySQL, and Azure Web Apps. Secured back-end with Spring Security and JWT.