

Jared Velasquez

jaredvel.com • jaredvel25@ucla.edu • +1 (925) 354-8644 • github.com/Jared-Velasquez • linkedin.com/in/jaredvel25 • Oakley, CA

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 Development, Data Structures and Algorithms, Software Construction, 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, Spring Security.
- ❖ Object-Oriented Programming, Algorithm Analysis, Databases, REST API.
- ❖ Git, GitHub, Firebase Services, Firebase Admin SDK, MongoDB, JWT, 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** Graph SLAM Simulator, a tool used to test DCORA, a C++ library that implements a distributed solver for range-aided SLAM and other related initialization algorithms.
- ❖ **Extend** Manhattan World Simulator from MIT's Marine Robotics Group to generate 3D measurements, fiducial markers, and non-Manhattan controlled experiments.
- ❖ **Evaluate** usage and reliability of simulator with 40+ unit tests, maintain and support codebase.

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.
- ❖ **Advised** and **spearheaded** 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 thousands of students, staff, and other clients of UCLA.
- ❖ **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 1000+ support requests. Thoroughly documented processes and resolutions.

Projects

Edify

July 2023 to September 2023

- ❖ **Implemented** a responsive 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 with 40+ endpoints to send and read data for student management with Java Spring Boot, Hibernate, Azure Database for MySQL, and Azure Web Apps.