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:** 3.902
   ❖ **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
   ❖ **Extend** Graph SLAM Simulator from MIT's Marine Robotics Group to generate novel 3D range-aided SLAM measurements. Ensure correct functionality of codebase with 60+ unit and integration tests.
   ❖ **Develop** evaluation tooling to test DCORA, a distributed solver for RA-SLAM, against other related optimization algorithms. Utilize EVO to extract ground-truth and estimated trajectory for visualization and statistics.
   ❖ **Implement** Python-based internal tooling to synthesize and augment RA-SLAM measurements for use in DCORA publication.

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.

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- ❖ **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.