

Jared Velasquez

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SOFTWARE ENGINEER INTERN

Seeking full-time internship June-September 2025. Remote and/or key locations: Los Angeles, San Francisco Bay Area. Completing B.S. degree in CSE at UCLA. Two years of hands-on experience in full-stack software development.

EDUCATION

University of California, Los Angeles (UCLA)

Expected June 2025

Bachelor of Science, Computer Science and Engineering

- **Cumulative GPA:** 3.91
- **Coursework:** Software Construction, Computer Networking, Linux Operating Systems
- **Organizations:** Association for Computing Machinery, Upsilon Pi Epsilon, Pilipinos in Engineering and Science

TECHNICAL SKILLS

- **Languages and Frameworks:** Java, C++, C, Python, Bash, HTML, CSS, SASS, JavaScript, TypeScript, Angular, React, Next.js, Node.js, Express.js, Spring Boot, Spring Security, Django.
- **Concepts:** Databases, Networking, Cloud Computing, REST API, CI/CD, DevOps, SaaS, Agile.
- **Services:** MongoDB, NoSQL, SQL, MySQL, Microsoft Azure, GCP, AWS, Confluence, Jira.

EXPERIENCE

UCLA Sensing & Robotics for Infrastructure (SRI) Lab

January 2024 to Present

Undergraduate Research Assistant

- Extend **Graph SLAM Simulator in Python** to generate novel 3D range-aided SLAM measurements. Ensure correct functionality of the codebase with 60+ unit tests and integration tests.
- Develop evaluation **tooling to streamline testing** of RA-SLAM distributed solver against related optimization algorithms and ground-truth.
- Utilize EVO Python package to **extract ground-truth and estimated trajectory for visualization and statistics**.
- Implement data pipeline to **synthesize 110+ measurements** for testing and publication.

UCLA eHealth Research Lab

July 2023 to January 2024

Full-Stack Developer

- Developed **15+ React front-end web UI/UX components**. Initiated transition to responsive application design with CSS media queries and Bootstrap.
- **Implemented product specifications and interface design** with 10+ product designers and marketers.
- Led migration of database querying to Google Cloud for secure authentication and back-end input sanitization.
- Deployed **10+ Google Cloud Run functions** for 300+ real-time conversations and 350 users.

UCLA Information Technology Services

September 2022 to Present

Assistant Customer Support Analyst

- Resolving issues in software and digital infrastructure to **provide an enhanced technological experience** for 100k students, staff, and faculty members.
- Supporting 130+ departments and 20+ internal teams in the **ease of operation of UCLA digital services**.
- Resolved **1000+ support requests** and authored **15+ documentation articles** with ServiceNow's IT Service Management Suite.

PROJECTS

Reliable and Secure Transport with UDP

May 2024 to June 2024

- Engineered **client and server with C++ socket programming** that implements a reliable and secure application protocol over UDP.
- Established **asymmetric security handshake with key exchange request**, encrypted payload, and Message Authentication Codes.

Edify

July 2023 to September 2023

- Engineered and deployed a **full-stack Angular-based learning management system (LMS)**.
- Developed **40+ REST API endpoints** managing LMS data with Java Spring and Spring Security Chain.
- Deployed back-end API and MySQL database with Docker, Azure Kubernetes Service, and Azure Database for MySQL. Built CI/CD **DevOps pipeline** for automated testing and deployment.