

JUSTIN ODO

justinodo213@gmail.com | <https://jodoscu.github.io/Portfolio/> | [linkedin.com/in/justin-odo/](https://www.linkedin.com/in/justin-odo/) | <https://github.com/JodoSCU>

EDUCATION

Santa Clara University

June 2026

Bachelor's, Computer Engineering

- **Relevant Coursework:** Theory of Algorithms, Object Oriented Programming & Advanced Data Structures, Linear Algebra, Probability & Statistics, Logic Design, Embedded Systems, Multivariable Calculus, Discrete Math

PROFESSIONAL EXPERIENCE

Student Researcher

Santa Clara, CA, USA

Santa Clara University

March 2024 - Present

- Engineering cross-platform **iOS** and **Android** applications using **Dart** and **Flutter**, implementing real-time matching algorithms to connect 450+ users with walking partners, enhancing campus safety at night.
- Designed and implemented responsive UI components using **Flutter**, resulting in a 30% increase in user engagement and a 95% satisfaction rate among student users.
- Integrated User Authentication and SCU student verification using **Firebase** to ensure reliability and a secure user experience.

Software Engineering Intern

San Jose, CA, USA

Neuroleap Corp

April 2023 - September 2023

- Developed 100+ testing scripts using **Cypress** and **Java** to automate **regression testing**, **unit testing**, and stress test dozens of APIs and over 250+ components across 6 company websites.
- Automated testing flow using **GitHub Actions** to deploy functional tests daily and implement QA workflow, significantly enhancing the **continuous integration** process and reducing manual testing efforts by 80%.

PROJECTS & OUTSIDE EXPERIENCE

Project Safe Water (Python, Flask, OpenStreet Maps API, Google Maps API)

- Implemented data management system using **Python** and **Flask** to display water quality data in over 2,400 counties across the nation.
- Leveraged the **OpenStreetMaps API** and **Google Maps API** to plot accurate geolocation data of 300+ water sources within a 10-mile radius of selected location.
- Finished top 6 in a 24-hour humanitarian hackathon against 350+ competitors and created an informative web application that provided users with real-time directions to the safest water sources, potentially impacting thousands of users in areas with water quality issues.

Personalized Learning Recommendation System (React, Bedrock, AWS)

- Developed an AI-powered web app that identifies user knowledge gaps from quiz results and generates personalized learning paths with book, course, and exercise recommendations.
- Built front end using **React** for interactive quizzes and results displays, and integrated **API Gateway** and **AWS Lambda** for serverless backend processing.
- Utilized **AWS Bedrock** to generate real-time, AI-driven educational plans tailored to users' specific needs.

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Career Preparation Fellow

Santa Clara, CA, USA

Management Leadership for Tomorrow

Jan 2024 - Present

- Selected for an exclusive 18-month professional development program, enhancing leadership skills through intensive workshops and mentorship from industry executives.
- Analyzed 10+ complex business case studies, developing strategic problem-solving skills and presenting solutions to senior executives, resulting in improved analytical and presentation abilities.

College Math Tutor

Santa Clara, CA, USA

Santa Clara University

March 2024 - Present

- Conducted 50+ one-on-one and group tutoring sessions for 30 students in subjects Calculus III and below.
- Developed personalized learning strategies for 20+ students to improve their problem-solving skills.

SKILLS

- **Languages:** Python, C/C++, Dart, Swift, HTML5, CSS, JavaScript
- **Frameworks:** React, TailwindCSS, Cypress, Flutter, Firebase, Selenium
- **Tools:** AWS, Github, Git, Github Actions, SwiftUI, Figma, Figjam
- **Other:** Agile, Regression Testing, Test Automation, Object Oriented Programming, Web Design, REST APIs, Component Testing, Frontend Development, Full-Stack Development, Mobile Development, Quality Assurance