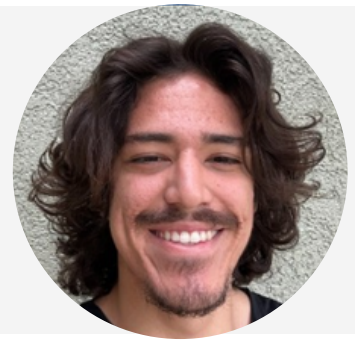


RAMON 'RAY' VALENZUELA

STUDENT COMPUTER ENGINEER



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- 📍 Home, 1880 Broadway Drive, Salinas CA
- 📍 School, 228 Klamath Rd, San Luis Obispo, CA

PROFILE

Student Computer Engineer at Cal Poly SLO with a passion for Web Development, Software Engineering, and learning the best practices of front-end architecture, with a strong desire to continue learning unfamiliar systems, in the best practices. Proven track record of collaborating with cross-functional teams and providing technical expertise to drive project success. Highly motivated and enthusiastic about contributing to the success of a dynamic organization

SKILLS

- Python
- MySQL
- HTML
- Team Player
- CSS
- Stripe API
- Javascript
- Cloud Based Programming
- Node.js
- Clear Communication
- React
- Strong Understanding of Computer Science Fundamentals
- SQL
- Firebase SDK

EDUCATION

CALIFORNIA POLYTECHNIC STATE UNIVERSITY

San Luis Obispo, CA

2022-Present

Relevant Courses Taken

- Fundamentals of Computer Science
- Computer Science
- Digital Design
- Data Structures & Algorithms

NORTH SALINAS HIGH SCHOOL: DIPLOMA 2018-2022

Relevant Courses Taken

- Intro to Computing
- Business Technology

PROJECTS

DEVELOPED PROGRAMS

- **'Collaborated Skateboard Trick Sensor'**
 - A multi-person project that involved using the open source Circuit Playground SDK to detect the trick being done on a skateboard. The key pieces to this project were:
 - Group Task Delegation
 - Open Source resources
 - Collaborating with the group to accomplish one goal
- **'DIY Drone Development'**
 - Successfully designed and constructed a fully functional quadrupedal drone. The key components of this project are:
 - Using Arduino Microcontroller and gyro meter to manage flight controls, motor speed, and receiver communications
 - 3d-printed body and components designed using On-Shape CAD

EXPERIENCE

FREE-LANCE FULL-STACK WEBSITE DEVELOPMENT

Duration: 8/15 - 9/18, Summer 2023

Hired to create a dynamic and user-friendly website with features that catered to both social interaction and e-commerce. The key components of this project included:

- Firebase SDK Integration to create user authentication, real-time database management, and cloud storage.
- Integrated Stripe API to facilitate secure online transactions within the e-shop using HTTP requests in the backend
- Implemented Cloud Functions to automate various backend processes centered around HTTP requests,
- Full-Stack Development using, HTML, CSS, JS, React, Node.JS to deploy application architecture for messaging, feed generation
- Developed a social networking aspect that allowed users to create, post, and interact with content.
- Established an e-commerce platform using Stripe for secure payments, Enabling users to browse, select, and purchase items from the online store.