

Jason Serrano

(208) 721-8601 | [Email](#) | [LinkedIn](#) | [Github](#)

EDUCATION

Santa Clara University, Santa Clara, CA

Bachelor of Science, Computer Science and Engineering

June 2025

RELEVANT COURSEWORK

Data Structures & Advanced Algorithms, Software Engineering, Web Usability and Design, Operating Systems, Computer Networks, Compilers, Digital IC Design

EXPERIENCE

Junior Software Developer

Sept 2023 - Sept 2024

Athios, Santa Clara, CA

- Created the landing page for an IT consultant firm specializing in delivering high-quality technology and information for the public & private sectors.
- Integrated a direct pipeline to their GoDaddy website for potential candidates to view available positions, boosting their site retention by over 200%.
- Self-learned JavaScript, HTML, and CSS to perform the necessary code migrations to modern frameworks. Standardized the frontend CI/CD to support continuous integration and deployment.

Student Financial Auditor

Feb. 2022 - June 2023

Santa Clara University, Santa Clara, CA

- Performed audits on the financial records of SCU's students to determine who was late on payments, needed a reminder, etc.
- Created the necessary pipelines to ensure families/students were given access to the appropriate resources and support for their issues.
- Designed workflow automation through Excel to improve outreach and support for students and families, emphasizing process optimization.

PROJECTS AND ACTIVITIES

SIGMA LAMBDA BETA (President, Cultural Awareness Chair)

June 2025

- Led community engagement initiatives, organized events, and managed membership management and event planning.
- Directed the Las Posadas Community event at Santa Clara University, which concurrently hosts over 200 SCU students, staff, and families over
- Organized a Mexican Regional Band Night at Santa Clara University, hosting over 200 undergrad students in the Bay area
- Organized and sustained quarterly volunteer engagements, inspiring full chapter participation in meal service for unhoused populations, totaling 30+ hours each.
- Increased chapter membership by 75% through digital marketing, social media outreach, and leadership.

Mayan Roots App (Team Lead)

June 2025

- Built a cross-platform mobile app using Flutter, Firebase, and [Node.js](#) to preserve ancient Yucatan Mayan agricultural practices for generations to come.
- Built an intuitive UI and flow with Flutter, incorporating responsive layouts and form validation for a smooth user experience.
- Integrated Google Maps API with offline storage and syncing, handling frontend geolocation logic and backend database updates to support usage in low-connectivity environments.

- Implemented an offline mode and data synchronization for reliable user experience for users in a low connectivity environment..

Santa Clara University's Imaginarium Lab (Frontend Engineer)

June 2025

- Designed and deployed a fully responsive research web app with React and Netlify to support multi-user research studies.
- Integrated video streaming, captions, and responsive UI to facilitate multimedia content delivery for 100+ participants.
- Collaborated in Agile sprints, gathering feedback from participants and iterating on interface design and frontend functionality.

Simple C Compiler

Mar 2025

- Developed a full compiler using Lexer, C++, and Assembly, demonstrating compiler construction and language processing skills.

Swap It Like It's Hot Marketplace

Dec 2024

- Built a full-stack marketplace app utilizing React, Flask, and Firebase for real-time data synchronization.
- Implemented search, pagination, and user authentication features to optimize UI/UX for e-commerce.

Nike MockWebsite

Dec 2024

- Created a responsive Full-Stack mockup-e-commerce website with industry staple frameworks like Tailwind CSS, React, and NextJS to simulate a real-world retail platform.
- Focused on product catalog, shopping cart, UX/UI best practices, and payment flow.

Facial Recognition Home Security System

June 2024

- Built real-time facial recognition using OpenCV and Python, with machine learning techniques achieving 91% accuracy.
- Developed a web dashboard with React to display live footage and recognition status.

GPS for Truck Drivers

Feb. 2024

- Developed a GPS solution for truck drivers to reduce carbon emissions by saving an average of 23 tons of greenhouse gasses per driver annually.
- Built during a hackathon using C++ and INRIX REST APIs.

SKILLS

- C++, Python, C, React, Git/Github, TailwindCSS, React, ReactJS, HTML, CSS, Linux, Spanish (fluent)