

LUIS CASTELLANOS

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EDUCATION

University of California, Santa Cruz- Santa Cruz, CA

Expected Graduation Fall 2027

B.S., Major in Computer Science

Relevant Course Work: Data Structures & Algorithms, Computer Architecture, Discrete Mathematics, Calculus, Linear Algebra, Probability and Statistics

PROJECTS

Project: [Spritz](#) - Affordable Alternatives to Luxury Fragrances

- Built backend workflows in Node.js/Express with help of Puppeteer + Gemini API to analyze fragrance profiles and generate dupe recommendations.
- Designed and queried a Dockerized PostgreSQL schema to store fragrance notes/categories and return matches by scent profile.
- Shipped a working MVP in 36 hours with a 4-person team (hackathon-style execution).

Project: [PC Build Visual Builder](#) - Visualize your Dream Computer

- Built a visual PC-building flow for first-time builders that guides part selection based on previously chosen components (constraint-driven UI).
- Designed the navigation/selection UX to represent the build as a connected system rather than a static checklist.
- Used Git/GitHub branching to keep changes reviewable and avoid pushing directly to main.

EXPERIENCE

LSS Tutoring Services - Santa Cruz, CA

September 2023 – Present

Student Office Assistant

- Managed day-to-day tutor schedules and room bookings, updating changes and making sure every session had coverage.
- Tracked scheduling and attendance issues with staff and suggested small changes (like shifting hours or adding sessions) to better match student demand.

Oakes HSG & Student Life - Santa Cruz, CA

September 2023– June 2025

Oakes Tech Crew Member

- Configured and operated complex A/V systems — including microphones, amplifiers, DJ lighting, fog machines, and soundboards — for events with 150+ attendees, ensuring seamless technical execution.
- Troubleshooting and resolving hardware/software failures under strict time constraints, applying systematic problem-solving methods.
- Contributed to team process improvements by sharing technical insights and documenting best practices during weekly syncs.

TECHNICAL SKILLS

Programming Languages: SQL, Python, JavaScript, C++, HTML/CSS

Tools/Frameworks: Node/Express, Docker, PostgreSQL, Git/GitHub

Languages: English, Spanish

ACTIVITIES

Society of Hispanic Professional Engineers (SHPE), UCSC Chapter

- Participated in professional development, and peer mentorship initiatives supporting Latinx representation in STEM.

Learning Support Services (LSS), UCSC

- Engaged with campus tutoring programs and technology initiatives enhancing student success and data-driven resource management.