

# LUIS CASTELLANOS

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## EDUCATION

**University of California, Santa Cruz- Santa Cruz, CA**

B.S., Major in Computer Science - GPA: 3.3/4.0

**Relevant Course Work:** Data Structures & Algorithms, Computer Architecture, Discrete Mathematics

Expected Graduation Fall 2027

## TECHNICAL SKILLS

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

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

**Languages:** English, Spanish

## PROJECTS

**Project: *Spritz* - Affordable Alternatives to Luxury Fragrances**

March 2025 - Present

- 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**

Dec 2025 – Present

- 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.

## 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.