

# Jose Luis Santiago

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## SUMMARY & SKILLS

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Results-driven Computer Engineering graduate passionate about user-centered design and delivering high-quality work. Eager to leverage these values in a role at the hardware-software intersection, staying at the forefront of tech advancements.

**Tech:** C, C++, Python, Git, JavaScript, React, CSS, HTML, Django, Node.js, Express, MongoDB, MySQL, SQL, Microcontroller System Design, Sensors and Sensing Technology, MATLAB, Simulink  
**Languages:** Spanish (Fluent)

## EDUCATION

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**University of California, Santa Cruz**, Santa Cruz, CA Sep 2016 – Jun 2021  
**B.S., Computer Engineering: Robotics & Control**

## EXPERIENCE

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**The Knowledge House**, Bronx, NY Sep 2023 – Sep 2024  
*Web Development Fellow*

- Build HTML, CSS, JavaScript, UX/UI design skills by participating in a project-based, software engineering curriculum with 400+ hours of technical instruction and professional development
- Built a web application that generates a random poem at the click of a button using the PoetryDB API

**Arrow**, Manhattan Beach, CA Jul 2022 – Aug 2022  
*Web Development Intern*

- Led the development team of 3 interns to design, implement, and present e-commerce website for heavy machinery prototype to CEO and CTO of Arrow
- Used web scraping in python to gather data of over 100 potential machines to list
- Created a MySQL database to store items to list on e-commerce website prototype
- Implemented Stripe API for payment transactions

**Baskin Engineering**, Santa Cruz, CA Sep 2018 – Sep 2021  
*Peer Adviser*

- Advised 1,000+ students in engineering majors on academic and career planning
- Managed student data for 4,000+ students, tracking major progress and graduation eligibility
- Trained and mentored new peer advisers for service excellence and knowledge transfer

## PROJECTS

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**IoT Wildfire Alarm System** - Undergraduate Capstone, UCSC Jan 2021 – Jun 2021

- Built a wildfire alarm system prototype in a team of 5 to warn of wildfire risk
- Completed research, specification, planning, and procurement of our IOT device
- Took charge of writing technical documentation of project from conception to prototype
- Led team of 2 in charge of microcontroller system design and implementation of sensors