Jose Luis Santiago

310-593-3780 | Los Angeles, CA 90016 | jlsanti.dnr@gmail.com
www.linkedin.com/in/j-santi | Portfolio

EDUCATION

University of California, Santa Cruz   **June 2021**
Bachelor of Science in Computer Engineering; Concentration: Robotics & Control   **GPA: 3.05**
Honors: UCSC: Dean's Honor Roll - Spring 2017, Winter 2021

SKILLS

- **Programming:** Embedded C Programming, C++ Programming, Java Programming, MATLAB, Verilog, RISC-V Assembly Programming, CAD, Python, HTML
- **Languages:** English, Spanish (Read/Write/Speak)

RELEVANT PROJECTS

Bio-Inspired Locomotion: Penguin Aquaflying Wings   **January 2021-March 2021**
Independent Researcher
- Researched penguin swimming kinematics to model the swimming motion in MATLAB
- Simulated penguin wing motion with wings of different sizes to understand the correlation between wing size and lift and drag forces
- Project culminated in a research paper detailing my findings from my research

IoT Wildfire Alarm System   **January 2021-June 2021**
Design Member
- Designed an IoT Wildfire Alarm System in a 6-person team
- Created a prototype that uses sensors integrated with a WiFi enabled microcontroller to signal wildfires risk
- Parameters of interest were: wind speed, CO_2 levels, humidity, and temperature

LEADERSHIP EXPERIENCE

Jack Baskin School of Engineering, UC Santa Cruz   **September 2018-September 2021**
Peer Adviser
- Helped students navigate their respective engineering majors by developing class schedules, providing coaching and support with coursework, and assisting students with selecting major and career pathways.
- Managed and tracked confidential student data and records to determine student's progress and eligibility for graduation

MESA Engineering Program (MEP), UC Santa Cruz   **September 2017-June 2021**
Member
- Provided Peer advising and mentoring to underrepresented students in the engineering field