Jose Luis Santiago

5347 Carlin St, Los Angeles, CA 90016
310-593-3780 | jlsantia@ucsc.edu
www.linkedin.com/in/j-santi

EDUCATION

University of California, Santa Cruz   **Santa Cruz, CA; Fall 2016**
Bachelors of Science: Computer Engineering
Concentration: Robotics & Control   *Expected Graduation: June 2021*
Honors: *UCSC: Dean's Honor Roll - Spring 2017, Winter 2021*

LEADERSHIP EXPERIENCE

Jack Baskin School of Engineering, UC Santa Cruz   **September 2018-Present**
Peer Adviser
- Help 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.
- Manage and track 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

ENGINEERING 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

SKILLS

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