Nicholas Jannuzzi

951-836-6101/nickjnnuzzi@gmail.com
www.linkedin.com/in/nicholas-jannuzzi-UCSC

Education

The University of California, Santa Cruz **June 2020**
B.S. , Robotics Engineering, Electrical Engineering Minor Santa Cruz, California

Skills

- C
- MATLAB
- Solidworks
- Python
- LaTeX
- Embedded Systems (Uno32 & PSoC)
- Lab Bench Equipment
- UI Design
- Verilog HDL

Work/ Relevant Engineering Experience

Senior Design Project- SlugSat Cubesat Design Team **September 2019 - June 2020**
Chassis and Testing Equipment Subteams Santa Cruz, California

- 4th year of ongoing project to launch UCSC's first cubesat carrying payloads for UCSC research groups
- Modeled HF antenna deployment mechanism and housing
- Designed and Fabricated 3-Axis Helmholtz Coil and Shock Test Stand,
- Developed first pass design of Shock Test Stand for validation of system structural integrity

Grid Alternatives **March 2019**
Solar System Installation Volunteer Orland, California

- Weeklong program as part of UCSC Engineers Without Borders
- Trained on site to assist in installing solar panels systems for low income households

CSIRO - Lindfield Site **June 2018 - August 2018**
Machines Team Intern Lindfield, New South Wales, Australia

- Worked on industrial supercapacitors for electric trains, helped set up testing procedures/setups for capacitors
- Verified system parameters for documentation
- Replaced surface mount components on control board
- Worked on prototyping sleep apnea device for medical client
- Prototyped methods of reducing fan sound on device

Class Related Projects

- Autonomous robot capable of navigating course and depositing payload into marked zone of towers
- Dual Channel Oscilloscope built on PSoC 5LP & Raspberry Pi microcontroller/microprocessor
- Attitude Estimation System using Uno32 and IMU
- Flappy Bird inspired game using Basys3 FPGA
- Multiplayer battleship game on Uno32 microcontrollers

Clubs- Engineers Without Borders UC Santa Cruz **January 2017 - June 2019**

References Available Upon Request