

MIKE LOPEZ

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OBJECTIVE

To obtain an analytical engineering position to enhance and contribute my knowledge of materials science

EDUCATION

University of Central Florida

Bachelor of Science in Aerospace Engineering

UCF GPA: 3.8

Orlando, FL

May 2019

RESEARCH EXPERIENCE

Nanoscience Technology Center

Undergraduate Researcher

Orlando, FL

Spring 2016

- Head of a research project consisting of synthesizing new two dimensional (2-D) materials
- Presented at the 2-D Symposium at UCF
- Operated a tube furnace to create two-dimensional transition metal dichalcogenides using the chemical vapor deposition technique
- Trained undergraduate and graduate students in lab safety

ACTIVITIES/AWARDS

- Eagle Scout (Recipient) Summer 2013
- Research and Mentoring Program Fellowship (Recipient) Fall 2016
- American Institute of Aeronautics and Astronautics (Member) Fall 2016-Present
- Florida Bright Futures Academic Scholars (Recipient) Fall 2015-Present
- Dean's list (Recipient) Fall 2015-Present

RELEVANT PROJECTS

- **Aviation Design (Group)** Fall 2016-Present
 - Created a model airplane out of balsa wood utilizing a laser cutter
 - Required a basic understanding of solid works, and aerodynamics
- **Quadcopter (Personal)** Summer 2016
 - Assembled QAV 250mm drone from an ARF kit, required soldering and circuitry knowledge
 - Planning to implement F.PV. in the future
- **Mars Rover (Group)** Fall 2015
 - Collaborated with team members to design a vehicle to travel a significant distance while carrying excessive amounts of weight without the use of electricity
- **Great Navel Orange Race (Group)** Spring 2016
 - Designed and created an autonomous boat from scratch with my group members
 - Learned basic circuit analysis

SKILLS

- **Machinery:** Tube Furnace, Atomic Force Microscope, Optical Microscope
- **Software:** Microsoft Suite, Mat Lab (*Intermediate*)
- **Languages:** Spanish, English

VOLUNTEER EXPERIENCE

Lake Claire Clean Up

Straight Street Orlando Food Share

Pine Jog Elementary

Fall 2016

Spring 2016

Summer 2013