

TIMOTHY LIN

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EDUCATION

University of Central Florida
Master of Science in Mechanical Engineering
Major GPA: 3.5

Orlando, FL
Aug 2017 to Apr 2019

University of California, Irvine
Bachelor of Science in Mechanical Engineering
Material Science Minor

Irvine, CA
Sept 2009 to Jun 2014

SKILLS

Programming: Matlab, Python, Arduino
Technology: Microsoft Office, Linux, ROS
Design: SolidWorks, Pro/Engineer, FEA, 3D printing
Foreign Language: Conversational Mandarin

PROFESSIONAL EXPERIENCE

Crow Industries
Mechanical Engineer Internship

Los Angeles, CA
May 2018 to Aug 2018

- Designed and rendered spacecraft landers and zero-g cubesat in SolidWorks used in proposals
- Zero-G cubesat assembly designed using widely available modular 80/20 T slot aluminum framing system for ease of manufacturing
- Developed engineering drawings and bill of materials for zero-G cubesat
- Proposed design allowed zero-G cubesat to be successfully manufactured within timeline to test in zero-G flight
- Assisted team members preparing necessary documentations for proposals for NASA and ESA

PureGear
Mechanical Engineer

Irwindale, CA
Jan 2015 to Jun 2017

- Utilized Pro/Engineer to modify components and tooling fixtures during design phases
- Created 3D printed prototype mock ups of mobile and audio accessories for product development
- Communicated with vendor to solve tooling issues while meeting timeline goals
- Helped launch many consumer electronic products before deadline
- Assisted team members in producing documentation to present to clients in Microsoft Office

PROJECTS

2 Axis Brushless Handheld Gimbal

- Using 3D printed parts, 2 brushless dc motors, and gimbal controller to create handheld gimbal

Programmable LED Lava Lamp

- Using the fadecandy controller to create a programmable led lamp

IGVC – Intelligent Ground Vehicle Competition

- Created publisher and subscriber python nodes enabling devices to transmit and receive data in ROS

EXTRA CURRICULAR

UCF Robotics Club