TIMOTHY LIN

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2312 Melville Dr. San Marino, CA 91108

EDUCATION

University of Central Florida — **Orlando, FL**
Master of Science in Mechanical Engineering — **Aug 2017 to Apr 2019**
Major GPA: 3.5

University of California, Irvine — **Irvine, CA**
Bachelor of Science in Mechanical Engineering — **Sept 2009 to Jun 2014**
Material Science Minor

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 — **Los Angeles, CA**
Mechanical Engineer Internship — **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 — **Irwindale, CA**
Mechanical Engineer — **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

IGVC – Intelligent Ground Vehicle Competition 2019

- Integrated IMU, LiDAR, GPS devices and packages in ROS framework to achieve SLAM map building for autonomous robot navigation
- Created publisher and subscriber python nodes enabling devices to transmit and receive data in ROS

Python

- Created a space shooter game using the PyGame module

EXTRA CURRICULAR

UCF Robotics Club