

Huayang Zhang

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EDUCATION:

Loyola Marymount University

December 2017

Bachelor of Science, Computer Engineering with Computer Science and Applied Math Minors

- U.S. Citizen, and grew up in China
- Fundamentals of Engineering (F.E.)
- 4 year Division I Student Athlete
- Bicycled across the U.S.

TECHNICAL SKILLS:

Software: C, Java, C#, ELM, JavaScript, Python with OpenCV and NumPy

Design: Unity, Google SketchUp, Adobe Premiere, 3D Printing

Hardware: MATLAB, Assembly Language, Multisim, LabVIEW, Xilinx, Arduino, Raspberry Pi

PROFESSIONAL EXPERIENCE:

Wedge Global Engineering Internship (Spain)

January 2018 – March 2018

- Design the construction of the communication system of the Smart-Sensors Package
- Supervise the integration of the Smart-Sensors Package during device fabrication in Spain

Telecommunication Engineer, Los Angeles Department of Water and Power

May 2016 – August 2016

- Design fiber cable layouts to communicate among each station and to the headquarter
- Update copper communication system maps by using Bentley Microstation CAD software
- Monitor multi-mode fiber optics systems across the generating stations in Los Angeles
- Manage Lentonics VistaNet and program the fiber cable management card for generating stations

Business Development Intern, HonestScore.com

July 2014

- Help create an M.V.P. and tested it with Craigslist users

PROJECT DESIGN EXPERIENCE:

SpaceX Hyperloop Competition

October 2017 – Present

- Design the electric and telemetry system of the capsule
- Represent one of the 40 teams after the preliminary round of selection

Autonomous Filming Drone

October 2016 – May 2017

- Image process the input of Raspberry Pi Camera to Python code
- Learn the Drone SDK and directly control the drone from its flight controller
- Update the drone position solely based on live camera footage

Mini UAV design for Northrop Grumman Corporation

November 2016 – May 2017

- Interface with DJI flight controller and design power/communication circuit of the drone
- Connect and solder the circuit while working closely with mechanical engineers

Overall winner of AT&T Hackathon

October 2017

- Create an IoT sprinkler system with an Android APP to save water on lawn watering
- Utilize G.E. SmartCity technology to generate location-based water evaporation data

Researcher for Augmented Reality for Sports

May 2016 – August 2016

- Research the market of current and future Augmented hardware potential

2016 SAE Aero Design West Advance Class 9th Place

January 2016 – April 2016

- Build the communication system of an RC airplane to drop a payload at target area on command

LEADERSHIP EXPERIENCE:

Lead a team to win the Crowd Favorite Award in Startup Weekend LA

November 2017

Liaison of IEEE University Branch

September 2016 – May 2017

Most engaging speaker in Engineering Without Border Conference

October 2016

Air Force ROTC

September 2013 – December 2013

EXTRACURRICULARS:

Cross Country Cyclist for Ride OnePulse(United States, Malawi), Open Water Rower for NOMAN is an Island(Mediterranean Sea), LMU Athletic Band (2013-2014), Organized Concerts and raised \$2200 (2012)