

Mr. Yuan SITU

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Education Background

- **09/2014 - 06/2020 (Expected) College of Engineering, Oregon State University**
- **Department: Department of Electrical Engineering and Computer Science**
- **Major: Electrical & Computer Engineering**
- **Minor: Computer Science (04/2019 - 06/2020)**

Computer Skills

- **Programming: System Verilog, C, C++, Python**
- **Software: Eagle CAD, MatLab,**

Research Experience

09/2019-06/2020 High Altitude Rocket Team

- Design and build the on-board avionics data collecting system that collect sensors data and send back to ground station
- Design and build the rocket launch control system that can launch the rocket remotely two miles away and be able to perform the safety sequence check.

01/2019-04/2019 Design of Mini Sumo Robot

- Build a small robot that could push another robot out of a circular rink
- The knowledge of the project involved power supply design, analog design, signals and systems, mechanical design, and embedded programming

11/2018 Sensor Calibration with Matlab

- Displayed raw and calibrated data for a thermistor with Matlab

Displayed the resistance of an attached photocell and modified the data in MATLAB

09/2018 Design of Two Band Audio Visualizers

- Design and build a circuit for a Two band visualizer that could use LEDs to visualize the frequency of the sound that pick up by the microphone.(based on concept of amplifiers and filters)

Internship Experience

06/2018 - 08/2018 Dept. of Maintenance, GuangDong Evsoft Co.Ltd of China Maintenance Engineer

- *Evsoft* is an Internet of Things products and services provider which developed the biggest LED monitor in China and took charge of maintenance of China Mobile's equipment
- Maintained and debugged Electronics including PC and PC systems, amplifier, mobile devices
- Provided technical support for China Mobile's Product Development Department
- Assisted Maintenance Technicians with trouble shooting and training equipment
- Communicated with manufacturers to tackle hardware problems

Extracurricular Activities Experience

04/2019 Expo of Junior Design Participant

- Introduced the junior design to hi-tech companies and alumni and answered their inquires
- Presented the mini sumo robot in the Expo, explained its design concepts and answered guests' questions

Hobbies

- PC assembly and model assembly
- Reading (favorite topics include universe and physics)