

Alvin Deng

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Professional Summary

Motivated 3rd year student pursuing a degree in electrical engineering and pursuing real-world experience as an Electrical Engineer Intern with leading-edge company. Diligent, reliable and well-versed in engineering principles and project support.

Skills

- Data Management
- Time Management
- Teamwork and Communication
- Arduino Usage
- Matlab
- Circuit Analysis
- C/C++
- Digital Logic Design

Work History

Data Management, 06/2018 to 09/2018

Supra UTC - Salem, OR

Temporary hire for Supra responsible for collecting and managing client data fields in preparation for the launch of the Supra Home Tour phone application. Also tested the apps, Supra Home Tour, Supra eKEY, and internal applications for bugs and improvements.

Education

Bachelor of Science: Electrical and Computer Engineering, Expected in 06/2021

Oregon State University, Corvallis, OR

- Recipient of the Finley Academic Excellence Scholarship
- Coursework in Electronics, Digital Logic Design, and Signals and Systems
- Member of Asian and Pacifican American Student Union

Projects

Solar Panel Characterization - Matlab Coder

In charge of writing the Matlab code that would take voltage and current readings from a solar panel through the use of an arduino and live plotting the power curve of that solar panel. Also in charge of producing and editing the video describing the components of the solar panel project.

Mini Sumo Robot - Motors and Motor Controls

Responsible for choosing wheels and motors for a mini sumo robot which are required to fit within the size restrictions of a 10 by 10 cm square as well as choosing and testing a motor controller. Used an arduino to send varying low/high signals and PWM signals to the motor controller in order to change speeds and directions of 2 motors simultaneously.