

Education

COLUMBIA UNIVERSITY, NEW YORK

M.S. Mechanical Engineering, Expected Jun 2019

CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO

B.S. Mechanical Engineering, Mar 2017

GPA: 3.42

Experience

APPLE INC || MANUFACTURING DESIGN ENGINEERING INTERN

CUPERTINO, CA ~ JUN 2016 - DEC 2016

- Improved processes with DOEs, Failure Analysis, and Manufacturing Statistics.
- Traveled to China to drive process validation projects with manufacturing vendors.
- Texturing finish and Glass component specialization on the Portables enclosure team.
- Won iContest.

CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO || TUTOR/GRADER

SAN LUIS OBISPO, CA – 2013-2015

- Acting TA for Civil/Electrical Engineering dept.

Software

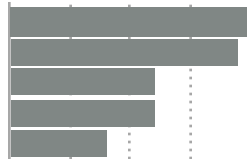
CAD (Solidworks)

JMP

MATLAB/EES

C/Assembly

Java



Skills

- Bilingual in Mandarin
- Routine Public Speaker
- Proficient in GD&T
- Tau Beta Pi Honors Society
- EIT Certification

Projects

MOTOR CONTROL SYSTEM (CLASS PROJECT) || SELF

INTRODUCTION TO MECHATRONICS ~ JAN 2017 - MAR 2017

- Wrote a program to control a motor in a system with integral and proportional control
- Integrated keypad and LCD to micro-controller to change and display values
- Developed in assembly. (Project video, FSM diagram, and code available)

ASME INTERNATIONAL STUDENT DESIGN COMPETITION || PROJECT LEAD

ASME INTERNATIONAL ~ JAN 2016 - NOV 2016

- Won 1st Place against 11 other countries
- Led a team to create a device that automated a process on schedule
- Robotics. Machining. Rapid Prototyping. 3D Printing. Laser cutting.

VARIABLE ELECTRON APPLICATOR (SENIOR PROJECT) || PROJECT MANAGER

VARIAN MEDICAL SYSTEMS ~ SEP 2015 - JUN 2016

- Led team to design a component on the world's leading electron beam machine.
- Developed laser sensor system and design of the bottom half of Applicator
- CAD. Welding. Detailed part design. BOM. Project Management.

Community

SLO IPHONE REPAIR || BUSINESS OWNER

- Managed, marketed, and developed a \$40k revenue repair business

CAL POLY COMEDY CLUB || HOST, FOUNDER

- Marketed and hosted a weekly show for San Luis Obispo's only comedy club
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