

Manny Lazalde

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Education

University of California, Berkeley

August 2015 - May 2019

Bachelor of Science, Mechanical Engineering, 3.7 GPA

Experience

CalSol - UC Berkeley Solar Vehicle Team

Mechanical Subteam

September 2015 - Present

- Redesigned brake caliper mounts using SolidWorks and tested with SolidWorks FEA
- Machined calipers out of 7075 aluminum in UC Berkeley Machine Shop
- Cut and attached nomex honeycomb carbon fiber panels to topshell of car
- Participated in American Solar Challenge, a 2000 mile race from Ohio to South Dakota

Second Sight Medical Products

Operations Assistant

July 2014 - August 2014

- Collected/analyzed electrical information of machines in cleanroom to prevent overload
- Presented power distribution matrix report Director of Manufacturing
- Created cleanroom compatible clock backings using SolidWorks and a CNC machine

Clinical Data Specialist

July 2015 - August 2015

- Data entry/analysis through Open Clinica entering CRF's, AE's, ED's, and POR's
- Retinal Data including OCT and Fundus verification
- Created report for Marketing analyzing cost of patient study

Projects

Raspberry Pi IoT Car

June 2016 – August 2016

- Created program with Node.js and Socket.io which enables control of RC car through internet browser with Raspberry Pi
- Fully modeled RC car in SolidWorks

Skills and Qualifications

- Computer skills:
 - SolidWorks, MATLAB, AutoCad, and Fusion 360
 - Python, Java, HTML, CSS, JavaScript
 - Adobe Photoshop and Lightroom
 - Microsoft Office, Powerpoint, and Excel
- Proficient in Spanish
- UC Berkeley Machine Shop Experience
- 3D Printing experience

Volunteer Experience

UC Berkeley Newman Hall

November 2015 - Present

Retreat Leader, Eucharistic Minister, Student Dinner Volunteer

- Planning and leading a fall weekend retreat for 40 college students
- Serve Communion to over 100 parishioners weekly