
Education

University of California, Los Angeles, Mechanical Engineering, B.S.

September 2018 - Present (Expected June 2022), Los Angeles, CA

- **GPA:** 4.00
- **Relevant Coursework:** Advanced Strength of Materials, Mechanisms and Mechanical Systems, Thermodynamics, Transport Phenomena

Mark Keppel High School, Diploma

August 2014 - June 2018, Alhambra, CA

- **GPA:** 4.38 Weighted
-

Projects

Sliding Table Design, Fall 2020

- Designed a table which slides horizontally with minimal vertical or angular change using the theory of mechanisms and machines.
- Used MATLAB to find optimal link lengths and analyze movement of the table.

3D Printed Macropad, Summer 2020

- Designed, 3D printed, and hand wired a macropad (small keyboard).
- Worked with Arduino IDE to program the macropad.

Epidemic Modeling, Spring 2020

- Created a deterministic extended-SEIR model and a stochastic SEIR-model for an epidemic using MATLAB.
- Analyzed the effects of lockdowns and preventative measures based on start time and strength.

Solid Motor Rocket, Fall 2019

- Worked with a small team to design, manufacture, and launch a rocket which successfully carried an egg to apogee and returned undamaged.
 - 3D printed a detachable nose cone and shoulder designed using Solidworks.
-

Work Experience

UCLA Mechanical & Aerospace Engineering, Reader/Grader

October 2020 - December 2020, Los Angeles, CA

- Graded homework and tests of students taking Engineering Mathematics.

ASUCLA Ackerman Union, Customer Service Representative

September 2018 - June 2019, Los Angeles, CA

- Rotated between different shops and restaurants, taking customer orders and preparing tea drinks quickly and accurately.
 - Communicated efficiently with coworkers to solve any arising issues.
-

Skills

Matlab, Solidworks, 3D Printing, Microsoft Office

Activities & Leadership

Rocket Project, Hybrid Rocket Team Member; UCLA : 2019 - Present

Math Club, Treasurer; Mark Keppel HS -2015 - 2018

United Sciences Club, Physics Committee Chair; Mark Keppel HS 2015 - 2018