

# BRAYAN MAYA

Mechanical Engineering student looking to advance my skill set as an intern for your company. Highly motivated and enjoys applying my interpersonal skills, innovative ideas, and engineering skills to all challenges and learning experiences that come my way.

**P** (626) 416-9449  
**E** brayan.maya2002@berkeley.edu  
**L** linkedin.com/in/brayan-maya-4374a91b9

## EDUCATION

### UC Berkeley

#### Mechanical Engineering: Aerospace Concentration

2020 - Expected 2024

#### Relevant Courses:

Intro to Computer Programming for Scientists and Engineers, Three Dimensional Modeling for Design, Manufacturing and Design Communication, Intro to Solid Mechanics, Thermodynamics, Statistics and Data Science for Engineers, Engineering Mechanics II, Fluid Mechanics, Mechanical Behavior of Engineering Materials, Advanced Engineering Design Graphics

## SKILLS

- **CAD Modeling:** SolidWorks, Inventor, Creo
- **Animation:** 3DS MAX
- **Programming:** Python, MatLab
- Geometric Dimensioning and Tolerancing (GD&T)
- Attention to detail
- Attentive listener
- Problem-solving
- Strong communication
- Analytical
- Quantitative reasoning
- Leadership
- Multitasking
- Time-management
- Takes initiative
- **Languages:** English, Spanish

## EXPERIENCE

### Upward Bound Math Tutor

Harvey Mudd College | June 2022 - July 2022

- Led instruction, facilitated discussions for ~50 students, and helped students overcome in-person learning anxiety caused by Covid.
- Guided the next generation of college students in developing study skills and habits that would aid them in future academic endeavors.
- Developed and implemented two summer curriculums for Integrated Math 1 and 2 consisting of weekly and daily lesson plans.

### Package Handler

FedEx | May 2021 - July 2021

- Oversaw the loading, scanning, and handling of ~2000 consumer packages per day.
- Arranged and handled packages that ranged from 0-100 lbs and transferred them into a 16-wheeler alone.
- Supported co-workers with their packages when I completed my tasks and offered them advice and guidance when in need of assistance.

## PROJECTS

### Analysis of the Environmental Injustices in Richmond, CA

January 2022 - May 2022

- Used Python to clean and manipulate data from various sources.
- Produced clear visualizations in the form of bar charts to communicate the findings.
- Acknowledged that injustices faced by Richmond communities are best understood through a mixture of personal narratives and contextualized data.
- Developed a website that acknowledged the health and socioeconomic impact of the Richmond refineries as well as the communities' interwoven relationship with them.

### Desk Space Extender

August 2021 - December 2021

- Utilized rapid prototyping skills to produce engineering drawings and 3D CAD models of a desk extender using SolidWorks.
- Collaborated with 3 students to ensure our product was functional, ergonomic, and appealing.
- Applied design and manufacturing processes required for the production of an everyday use item.

### Wind Turbine

August 2020 - December 2020

- Designed, sketched, and 3D modeled a wind turbine within given weight constraints on SolidWorks.
- Performed FEA analysis to maximize the stiffness to weight ratio and factor of safety, while minimizing displacement.
- Completed a concise 31 page group report on our complete design process and received an A in both the design and the report.