

JOHNNY NGUYEN

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EDUCATION

University of California, Los Angeles

Mechanical Engineering, B.S. (Expected June 2022)

GPA: 3.9/4.0

Activities: Bruin Racing, UCLA Esports

RELEVANT COURSEWORK

Introduction to CAD, Statics and Strength of Materials, Thermodynamics, Science of Engineering Materials, Multivariable Calculus, Differential Equations, Linear Algebra, Physics

PROJECTS

Music Transcription Device, November 2019

- ❖ Created a program in Python to transcribe piano music into sheet music using fourier transforms and spectrograms.
- ❖ Performed analysis with a team to find potential shortcomings of our tool

3-D Printed Rubber Band Car, November 2019

- ❖ Designed a rubber band powered car from scratch in Solidworks
- ❖ Manufactured using 3-D printed ABS plastic
- ❖ Collaborated with a team to refine and optimize our design

WORK EXPERIENCE

UCLA Court of Sciences Student Center, November 2018 – December 2019

Food Service Worker (Work-Study)

- ❖ Take orders for, prepare, and serve food to customers
- ❖ Prepare coffee and espresso-based drinks for customers

LEADERSHIP

Science Field Day Coordinator, September 2017 – May 2018

Mark Keppel High School

- ❖ Planned science competition for hundreds of middle school students in the district
- ❖ Managed over 100 volunteers spread across over 20 different events
- ❖ Managed a large team of test creators and proctors

Treasurer, May 2017 – May 2018

Mark Keppel High School Academic Decathlon

- ❖ Fill out check requests, reimbursements, plan fund usage, and organize fundraisers
- ❖ Coordinate club events and facilitate board meetings

SKILLS

Microsoft Office

SolidWorks

Java

Python

C++