
EDUCATION

University of California, Merced

Dec 2020

- Bachelor of Science, Mechanical Engineering

INTERNSHIP AND EMPLOYMENT HISTORY

Dasher, Food Deliverer

Feb 2020 – Present

Door Dash

- Handle and deliver food to clients, efficiently.

Restoration Hangar Intern

Sept 2019 – Dec 2019

Castle Air Museum – Atwater, CA

- Sanded, painted, and welded various panels on a B-24 Plane.
- Assisted in the restoration of a radio-controlled drone.

Machine Shop Student

Jun 2019 – Aug 2019

University of California, Merced – Merced, CA

- Practiced production quality standards.
- Used heavy machinery under supervision.
- Manufactured small items.

Residential Assistant

Jul 2018

University of California, Merced – Merced, CA

- Supervised and provided mentorship to eighty high school students.
- Collaborated with a team of seven to develop and implement social, and recreational programs in a timely manner.

ORGANIZATIONS

Theta Tau, Professional Engineering Fraternity

Feb 2018 - Present

Historian, Research and Development Chair

- Assisted in the assembly of a bicycle into an electric bicycle.
- Collaborated in constructing garden boxes dedicated to Merced's local children's center, and documented construction progress.
- Photographed, and recorded, at important events.

The American Institute of Aeronautics and Astronautics

Apr 2017 – May 2019

Theoretical Analysis Team Lead

- Provide an analysis of how a pulsejet's efficiency is affected by volcanic ash.
- Used efficiency equation to relate theoretical, and experimental, thrust and heat values.

Engineering Service Learning

Jan 2018 – May 2018

Qualitative Team Member

- Collected user data through observation and Qualtrics software to implement a better user interface.
- Collaborated in writing Preliminary Design Review and Final Design Review.

Society of Hispanic Professional Engineers

Aug 2015 – Dec 2016

Active Member

- Used my personal experience to promote STEM and guide eight high school students in constructing a popsicle-stick bridge.

SKILLS AND QUALIFICATION

Software

- MATLAB – Proficient
- Simulink – Proficient
- SolidWorks – Proficient
- Fusion 360 – Proficient
- Microsoft Tools - Proficient
- COMSOL – Beginner

OS Experience

- Windows
- Ubuntu 18.04

Foreign Language

- Spanish – Fluent