

Lorenzo Martinez

College Station, TX ♦ (909) 368-8752 ♦ lozo35@tamu.edu

OBJECTIVE

Seeking a mechanical engineering internship in manufacturing or design for the Summer of 2023

EDUCATION

Texas A&M University, College Station, Texas

August 2020 – May 2024

Bachelor of Science in Mechanical Engineering, Minor in Mathematics

Craig and Galen Brown Engineering Honors Program

Three-time Dean's Honor Roll & National Hispanic Recognition Award Recipient

Cumulative GPR: 3.84

RELEVANT COURSEWORK & SKILLS

SOLID WORKS, FEA, GD&T, Differential Equations, Sigma 6 Yellow, Thermodynamics, ANSYS, Mechanics

RELEVANT EXPERIENCE

Cummins Metrology & Calibration Internship

June 2022 – Present

- Aided in the calibration of various gages to ensure the quality of over 600 engines that are made every day
- Analyzed and assisted the organization of the company's gage drawings with the help of geometric dimensioning and tolerancing (GD&T) methodology
- Conducted research on the pass/fail rates of gages that come in for calibration in order to find patterns that may lead to an indication of sources of failure, based on function, size, or manufacturer

Society of Automotive Engineers Aero Micro-Class Team Member

March 2022 – Present

- Design, test, and analyze an airplane using scrum design methods and software such as SolidWorks and FEA to compete in a national multi-university competition.

Google TAMU SHPEathon Competition

February 2022

- Collaborated with team members to establish, design and present a mock business plan to help college students in the span of 2 days

Geometric Modeling Project

August 2021 – December 2021

- Conceptualized, designed, and manufactured a toy for elderly people to help fight Arthritis in the hands.
- Executed designs of the product on SolidWorks and manufactured product using a 3-D printer.

Sophomore Mechanical Engineering Retreat

August 2021

- Designed and built the 1st place award recipient of a Trebuchet competition in a team collaboration against six other engineering teams.

STUDENT ORGANIZATION INVOLVEMENT

Society of Hispanic Professional Engineers

Technical Affairs Committee Member

August 2020 – Present

- Created a personal portfolio website using web development tools such as HTML, CSS, and Bootstrap.

Regional Leadership Development Conference

Aggie Tours Manager

November 2021 – March 2022

- Coordinated tours for 4 tour guides and 40 guests to visit the Zachry Engineering Education Complex.
- Planned the guest transportation between the conference hotel and the campus for the tours, within \$1000.

ACADEMIC CLUBS

- Society of Hispanic Professional Engineers
- American Society of Mechanical Engineers
- Society of Automotive Engineers

August 2020 – Present

January 2021 – Present

August 2021 – Present

VOLUNTEER WORK

The Big Event

March 2021 & 2022

- Assisted in labor intensive services to help a family in the surrounding College Station/Bryan area.

Catholic Church Confirmation Volunteering

August 2017 – May 2019

- Served dinners and helped at various volunteering opportunities to complete the church's confirmation program 40-hour community service requirement.