

Eduardo Moreno

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EDUCATION

Northern Arizona University, Flagstaff Arizona

B.S. Mechanical Engineering, expected May 2023

GPA: 3.5/4.0

Involvement: NAU Energy Club | NAU Formula SAE | NAU Tennis Club | NAU Soccer Team

SKILLS

Computer: MATLAB, SolidWorks, Microsoft Word, Excel, PowerPoint, JEDI, SAM.

Machines: Horizontal Bandsaw, Drill Press, Disk Sander, Band Sander, Plaster Management

Analytcs: Thermal-Fluid Systems, Statistics Analysis, Mass & Heat Transfer Analysis, Finite Element, Stress-Strain Analysis.

Language: Fluent in Spanish.

MECHANICAL ENGINEERING EXPERIENCE

Reverse Engineering of Blow-dryer

Fall 2020

- Elaborated a reverse engineering of the components of traditional blow-dryer.
- Designed a solution to improve the desire function according to a customer survey.

Design a Wind Turbine-Capstone CWC

Spring 2022 - Fall 2022 - Present

- Designed an electric pitch system of the blades using AC power.
- Developing and design a functioning offshore wind farm for the Collegiate Wind Competition (CWC) in the Gulf of Mexico.
- Leader of Connection Creation involving new people into the offshore wind energy and into the competition.
- Acquired financial skills using software such as JEDI and SAM.

Experimental & Numerical Analysis

Aug 2022 - Nov 2022

- Assisted in MATLAB code supported by the Finite Difference Energy method for numerical analysis behavior.

CAD Formula 1 Project

Spring 2020

- Help to design a Formula 1 front wing on CAD for Formula SAE Club.

WORK EXPERIENCE

Inventory Organizer of a Dental Office

Spring 2018, Tijuana Mexico

- Organize inventory for a dental office to conduct on better utilization of materials using Microsoft office program.

Dental Assistant

Fall 2018, Tijuana Mexico

- Organized appointments of patients as well as helped the dentist with different dental processes on patients.

LEADERSHIP EXPERIENCE

President of Scenography for a Play

Fall 2018

- Organized a team of 10 people for the design and elaboration of the scenography of comedy play.
- Directed the management of the scenography during the play.

