

EDUCATION

University

B.S. Mechanical Engineering, Minor in Mathematics

May 2020

GPA 3.59 Cum Laude

University Center Study Abroad

Studied Thermodynamics, Linear Algebra, and Spanish culture while abroad.

Summer 2018

High School

June 2016

EXPERIENCE

Oil Company

June 2019 – March 2020

Frack Valve Technician

- ❖ Exceeded daily quotas for the deconstruction, remanufacture, and testing of malfunctioning fracking valves for use in the field while collaborating with a team of technicians.
- ❖ Proficient in the use of heavy machinery such as forklifts, overhead cranes, heavy duty impact wrenches, and various other pneumatic power tools.
- ❖ Worked at least 20 hours / week while balancing full academic schedule.

Senior Design Capstone Project

Fall 2019 – Spring 2020

- ❖ Commissioned by WesTexas Hay Exchange, completed the design and manufacturing outline for device capable of re-baling alfalfa hay into smaller increments for resale at larger profit.
- ❖ Worked with a team of 7 mechanical engineering senior students to design, plan, and execute the construction of the device.
- ❖ Extensively utilized Autodesk Inventor to model and perform stress / deformation analysis on the device.

INVOLVEMENT

Fraternity

Fall 2017 – Spring 2020

President

- ❖ Responsible for the everyday management, well-being, and maintaining the standards of the fraternity alongside facilitating and organizing various fraternity related events both locally and nationally.
- ❖ During tenure as President, was able to facilitate exponential academic, social, and organizational growth within the fraternity.
- ❖ Attended the Association of Fraternal Leadership & Values (AFLV) West Conference with the purpose of enhancing leadership and delegation skills.

American Society of Mechanical Engineers

Spring 2018 – Spring 2020

Secretary

- ❖ Actively involved in the decision making process of events affecting the entirety of the organization.
- ❖ Responsible for keeping, organizing, and distributing minutes of both general and officer meetings once a week in a timely and professional manner.
- ❖ Served as a liaison between executive and general members.
- ❖ Tasked with the maintenance of safe-keeping of organization related documents such as receipts etc.

SKILLS / HONORS

Technical Skills

- ❖ Engineering and Technical programs: proficient Solidworks, Inventor, ANSYS Mechanical APDL, MATLAB.
- ❖ General Programs: proficient in Microsoft Office and Adobe Photoshop.

Honors

- ❖ Dean's Honor List Fall 2016, Fall 2019
- ❖ President's Honor List Spring 2017, Spring 2020