

**Education**

University of Colorado Boulder

Bachelor of Science in Mechanical Engineering - Biomedical Engineering Minor

May 2021

3.330 GPA

Masters of Science in Mechanical Engineering Professional

December 2022

**Engineering Experience****Driveline Securement Device****Project Manager (Boulder, CO)**

Fall 2020 - May 2021

- Led a team to design, create, and iterate a new method to meet requirements and secure a driveline
- Set design requirements, specifications, and goals of the project based on the gaps of existing devices
- Created short and long term schedules to create a design meeting our requirements and specifications within 9 months
- Used Solidworks (CAD) to create designs of test fixtures and 3D printed parts needed for testing
- Conducted meetings with clients and vendors to communicate progress and needs of the project

**Drill Powered Bike****Project Manager (Boulder, CO)**

Fall 2019

- Led a team to design, build, and construct a drill powered bike optimized to meet course requirements
- Used communication skills to express, thoughts, ideas, and needs of the project to fellow teammates, machinists, and professors
- Designed and manufactured a complex assembly within the design tolerances
- Created, edited, and kept track of schedules to ensure that the project was on track allowing us to complete the project and successfully complete the bike's race

**Earthquake Simulator****Project Manager (Boulder, CO)**

Fall 2017

- Observed team member strengths and organized team to optimize team member contribution resulting in transformation of dysfunction to best in class
- Managed multiple schedules and skill sets to get the most out of the team in a timely fashion
- Designed and wired electrical system including, two stepper motor, power mechanism, and control system
- Coded arduino controls to induce movement simulating earthquake through use of H-bridges

**Work Experience****Filsinger Energy Partners****Analyst Intern (Denver, CO)**

Summer 2020

- Observed an energy company to document and report the company's safety and risk management
- Obtained and analyzed data on safety missions and goals and reported progress on those missions
- Researched and analyzed professional reports to find concerns in company's safety measure compared to competitors and reported issues to California's Governor's Office
- Wrote and edited technical reports and presentations delivered to clients

**Vector Marketing****Branch Manager (Castle Rock, CO)**

Summer 2019-Fall 2019

- Piloted sales team by tracking schedules, planning meetings, daily phone calls, and conducting trainings
- Preserved through a slow start resulting in July sales being 6 times the average of May and June
- Interviewed, hired, and trained a team of 22 representatives and led my office to \$43,762 in sales
- \$42,611 in personal carer sales

**Skills**

- Microsoft Office, Solidworks, Matlab, Mill, Lathe, 3D Printing, Arduino, Laser Cutters, Welding, C++