

Avery Charley

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Summary of Qualifications

- Proficient application of mechanical engineering principles in "Airplane Suspension Learning and Monitoring Systems" and "Experimental Methods in Thermal Sciences Final Lab Project" is substantiated by the comprehensive utilization of CAD software, extensive research, and data analysis.
- 2+ years of experience working in customer service and 1+ year of leadership experience, showcasing excellent communication and problem-solving skills, work ethic, and teamwork abilities.
- Involvement in projects investigating flight training qualities, developing feedback devices for pilots, and analyzing heat transfer from a hair dryer showcases your ability to address complex engineering challenges.

Education

Northern Arizona University, Flagstaff, AZ

Expected December 2024

Bachelor of Science in Mechanical Engineering

- Dean's List | Credits Completed: 135.00

Projects

Airplane Suspension Learning And Monitoring Systems, NAU, Flagstaff, AZ

Fall 2023

- Collaborated with a team of 6 to investigate the training qualities of flight schools and develop feedback devices for pilots to receive quantifiable feedback, ensuring safer landings.
- Created a prototype in Artificial Reality using Solidworks and Blender for the pilots.
- Initiated independent research on landing gears, plane crashes, and instructor feedback and actively participated in weekly meetings with the professor and other team members.

Experimental Methods in Thermal Sciences Final Lab Project, NAU, Flagstaff, AZ

Fall 2023

- Collaborated with a team of 3 by brainstorming topics, initiating research, and conducting experiments, demonstrating strong teamwork skills, communication, and time management.
- Analysis data of Heat Transfer and Generation from a Hair Dryer through a Cardboard Tube.
- Identified the flow type created by the Hair Dryer and used those properties to understand heat transfer through a pipe.

Work Experience

Freezer/Cooler Associate, Sam's Club, Flagstaff, AZ

Fall 2021 -present

- Led a team of 3 and trained other associates to meet the daily goals of stocking by group supervision.
- In charge of the merchandise department by ensuring the quality and quantity of the ever-changing layouts to meet maximum sales throughout the seasons.
- Provided excellent customer service to members through ease of access to merchandise and questions.