

Skills:

- Proficient in SolidWorks, MATLAB, and Microsoft 365
- Excellent problem solver and troubleshooter
- Strong leader with great team-building skills
- Critical thinker
- Logical reasoning
- Meticulous
- Adaptable
- Proficient with manual milling and lathe machines

Experience/Projects:

- NAU-Mechanical Engineering Capstone Project, "Flying Squirrel" Jan. 2025-Dec. 2025
 - o Designing and fabricating a compact and affordable cable-driven robot to assist with physical rehabilitation for recovering stroke patients
 - o Managing all testing procedures and prototype iterations for the team
 - o Developed website for the project in HTML
- NAU-High Power Rocketry Club Jan. 2025-Present
 - o Learning new skills and knowledge relating to rocketry and other engineering applications
- NAU-First Nation's Launch (FNL) Rocket Team Jan. 2025-April 2025
 - o Assisting the capstone team with the construction of their rocket for their competition
- NAU-MK 2 Modular UAV Platform [Engineering Design: The Method] Aug. 2024-Dec. 2024
 - o Team designed a modular UAV platform that improved upon an existing drone platform to operate in military and humanitarian environments - design only, no physical model
 - o Responsible for designing electrical systems and motor control
- Quartermaster, Northwind Sabers Aug. 2021-May 2024
 - o Voluntary Leadership Position
 - o Maintained and repaired all equipment's electrical systems to ensure optimal operations
 - o Trained and mentored assistant quartermasters
 - o Organized and inventoried equipment utilized by the club
- NAU-Society of Automotive Engineers (SAE), Baja/Formula Teams Sept. 2023-Apr. 2024
 - o Assisted the teams in designing and manufacturing an off-road vehicle and formula vehicle to compete in a competition against other schools

Work History:

- Student Grader for Heat Transfer, NAU Aug. 2025-Present
 - o Reviewing and grading student assignments for the Heat Transfer course (ME450)
- Security Guard, S.A.F.E. Management Jun. 2023-Jun. 2025
 - o Maintain security at events held at State Farm Stadium and Chase Field
 - o Provide excellent customer service and general aid for guests
- Package Handler, FedEx Ground, Goodyear AZ Facility Jun. 2023-Aug. 2023
 - o Worked in a fast-paced and rapidly changing environment to ensure packages were transferred to their necessary destination within the warehouse