

EDUCATION

Northern Arizona University: *College of Engineering, informatics, and Applied Sciences (ABET accredited)* Flagstaff, AZ
Bachelor of Science in Mechanical Engineering Expected December 2022
GPA: 3.77/4.00

- **Honors:** Gold Merit Scholarship, Fall and Spring Dean's List
- **Activities:** Rocket Club, American Society of Mechanical Engineers (**Treasurer**), Equal Partners in Inclusive Community Mentorship Program, United Students of Applied Sciences
- **Goals:** Certified SOLIDWORKS Professional, FE Exam (December 2022)

Palo Verde College Blythe, CA
GPA: 3.83/4.00 August 2017 – July 2021

WORK EXPERIENCE

W.L. Gore & Associates Flagstaff, AZ
New Product Development Project Management Office (NPD PMO) Engineer Intern May – August 2022

- Designed a structured, user friendly shared content storage on SharePoint to make key NPD Project Management and Business Process content accessible, decrease complexity, and easy to navigate.
- Created and pitched proposal presentations to key stakeholders and Role Excellence Leaders to iterate improvements and gain feedback.
- Interviewed multiple project management, functional stakeholders, and SharePoint experts to gather project input.
- Designed a structured template and proposed it to other functional teams to create consistency among a larger platform.
- Developed training procedures and comprehensive maintenance instructions to help future admins maintain the site.

NoTraffic Flagstaff, AZ
Virtual Management Center Operator February 2021 – May 2022

- Developed SOPs and EHPs to improve training processes and ensure consistent practices.
- Analyzed and summarized data from large databases using **Metabase** and spreadsheets to evaluate product performance.
- Constructed **SQL** queries in **Metabase** to extract relevant data regarding product improvement.
- Communicated daily with clients regarding relevant product information.

Northern Arizona University – Peak Performance Program Flagstaff, AZ
Math Coach/ Mentor January – July 2020

- Tutored incoming NAU freshmen so they could place into the required math course for their major.
- Mentored incoming freshmen by introducing them to resources and skills to help them succeed at NAU.
- Organized each student's goals, progress, and learning styles using tools such as **Excel**, **One Note**, and **Microsoft Teams**.

Thisweeksstory.com Blythe, CA
Audio Recorder July 2020 – June 2021

- Provided audio technical support by recording stories and quality control for radio distribution.

CLASS PROJECTS

Hold Down and Release Mechanism – ME 476 C (Senior Capstone)

Role: Lead CAD Engineer, Lead Manufacturing Engineer

- Working with a small team to design a Hold Down and Release Mechanism for a CubeSat, while meeting engineering and budget constraints.

Vortex Panel Method MATLAB Program – ME 442 (Aerodynamics)

- Wrote an organized, detailed **MATLAB** program that is capable of computing panel geometry, solve system of equations, and make plots to compute aerodynamic outputs such as boundary and control points, vortex strength, coefficient of pressure, lift, and velocity of an airfoil.

Weight Carrying Device – ME 286 (Engineering Design: Process)

- Designed a device capable of carrying over 25 pounds across a set distance by utilizing tools such as the **decision matrix**, **Pugh chart**, and **Solidworks**.
- Created the device using items that met a set budget.

Engineers to the Rescue – ME 186 (Intro to Engineering Design)

- Designed and built, with a team, a contraption with given materials that could safely remove a dog from a well. Here I took the role of the team leader, keeping my team members on task and focused to complete our objective.

CLUB PROJECTS

2022 NAU Escape Room – American Society of Mechanical Engineers

Role: Financial Head, Sub-Project lead

- Organized an event for applied science majors to gain technical experience in interdisciplinary work and build an escape room for 600 NAU Students
- Raised \$13,023 in funding to support projects, event hosting, and marketing.
- Designed, tested, and implemented two puzzle projects using **Arduinos** and other electronics for a fun user experience.

FNL High-Power Rocket Competition: Mars Challenge – NAU Rocket Club

- Designed and constructed a dual deploy high power rocket with a cold gas thruster system that controls the rocket's Z-axis angular velocity during the coast phase of its ascent and took first place in the challenge out of 13 colleges and universities.

SKILLS

Technical: Certified SOLIDWORKS Associate, MATLAB, SQL, Metabase, Microsoft Office Tools (Excel, PowerPoint, Word, Visio)

Transferable: Project Management, Problem Solving, Analytical Reasoning, Adaptability, Teamwork, Attention to Detail, Data Analysis