

# Jared Hemauer

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## Work Experience:

**Project Engineer Intern** - Southland Industries

May 2024 – August 2024

- Specialized in fire protection for a data center construction site.
- Read engineering drawings, procured parts, wrote RFIs, submittals, and closeout documents.
- Conducted labor feedback walks on site, led tours of the job site, created and delivered a presentation to corporate leaders upon conclusion of the program.

**Color Technician** - Dunn-Edwards Paint Store

May 2023 – August 2023

- Performed routine maintenance and calibration on paint mixing machines to ensure optimal performance and accuracy.
- Assisted customers with paint selection, provided advice on products, and addressed any inquiries or concerns.
- Accurately blended colors to meet customer specifications and ensure quality control.

## Education:

**Northern Arizona University** – Flagstaff, AZ

Bachelor of Science in Mechanical Engineering | GPA: 3.32

Expected: December 2024

- ME 486C – Currently developing a cost-effective stroke rehabilitation robot designed for at-home use. The robot integrates force sensors and omnidirectional wheels to provide resistance in any direction. The concept utilizes Raspberry Pi and motor controllers to manage the system's operations, ensuring reliable and adaptive rehabilitation support.
- ME 386W - Developed a portable multi-modal solar generator with automatic sun tracking and safety features, for use in rural construction sites to provide a more cost-effective and environmentally friendly energy source.
- ME 180 - Designed and 3D modeled a functioning 4-cylinder engine assembly in SolidWorks as well as created readable drawings for each part.

**Paradise Valley Community College** – Phoenix, AZ

Early College Program

August 2018 - May 2020

## Skills:

- SOLIDWORKS
- Microsoft Office
- Communication
- MATLAB
- Problem Solving
- Project Management