

## OBJECTIVE

Results-driven Mechanical Engineering student with a minor in Civil Engineering. Strong hands-on experience in CAD design, manufacturing, FEA and fabrication. Proven leader with project ownership experience in SAE Aero, structural design, automotive builds and cross-functional collaboration. Seeking a full-time Mechanical Engineering role in design, manufacturing, or product development.

## EDUCATION

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2022-2026 | Northern Arizona University | Flagstaff, AZ

- Current 3.83 GPA
- BS: Mechanical Engineering with a minor in Civil Engineering
- Received Dean's List 6 of 7 semesters

## ENGINEERING EXPERIENCE

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- **SAE Aero Design Team-** Manufacturing Engineer & Fuselage Design Lead
    - Designed aircraft fuselage structures using SolidWorks, applying material selection, and tolerance analysis
    - Performed finite element analysis (FEA) using Ansys, SolidWorks, and Sim Scale to evaluate stress, deformation and factors of safety
    - Led fabrication, assembly, and structural optimization to improve strength-to-weight ratio.
    - Collaborated with multidisciplinary teams to meet competition requirements, timelines, and performance targets
  - **Automotive Fabrication Projects-** Independent
    - Designed and fabricated custom automotive components using CAD modeling, welding, and machining tools
    - Modified vehicle frames and structural components following mechanical design principles and safety standards

## LEADERSHIP EXPERIENCE

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- **Theta Chi Scholarship Chair 2024-2025**
    - Raised the cumulative GPA of 45 members by +0.4 over the course of a year.
    - Guided all members in receiving help for classes and building connection groups.
  - **Theta Chi President 2024-2025**
    - Organized and mentored a chapter of 45 members while overseeing an executive board.

## PROFESSIONAL EXPERIENCE

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May 2025-Current | Designs West | Flagstaff, AZ

- Coordinate logistics, quality control, and delivery operations
- Maintain customer satisfaction through attention to detail and efficiency

Summer 2024 | Boyd & Sons Construction | San Diego, CA

- Supported grading, concrete pouring, and framework installation
- Followed engineering drawings and construction specifications

## TECHNICAL SKILLS

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- **CAD & Analysis:** SolidWorks, AutoCAD, Civil3D, Ansys, SimScale
  - **Programming & Tools:** MATLAB, BlueBeam, Microsoft Office
  - **Engineering Skills:** CAD Modeling, Machine Design, Fabrication, Manufacturing Processes, Concrete Formwork, FEA, Structural Analysis