

# TYLER MILNE

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## EDUCATION

**Bachelor of Science:** Mechanical Engineering, Expected in 05/2026

**Northern Arizona University** - Flagstaff, AZ • 3.55 GPA

## PROJECTS

**SAE Aero Regular Class**

08/2025 - 05/2026

**Northern Arizona University Mechanical Engineering** – Flagstaff, AZ

- Performed calculations including finite element methods, for structural design and weight optimization of a competitive aircraft
- Used SolidWorks and Ansys tools to model aircraft components and support design iterations
- Fundraised over \$7000 for team to purchase items and travel to competitions

## EXPERIENCE

**Assembly Engineer Intern**

05/2025 - 08/2025

**Future Test** - Phoenix, AZ

- Assisted in the assembly of various electromechanical designs, focusing on medical and aerospace fields. • Conducted quality inspections on assembly components and finished products, ensuring adherence to standards.
- Collaborated closely with management teams to develop methods to improve efficiency and maintain project timelines.

**Grader**

09/2024 - Current

**Northern Arizona University** – Flagstaff, AZ

- Maintained detailed records of students' grades, enabling accurate tracking of individual progress throughout the semester.
- Supported students' academic progress by providing constructive feedback on their work, leading to a near 65% improvement in performance in subsequent assignments.
- Maintained open lines of communication with faculty members to provide timely updates on grading progress and address any concerns related to student performance.

**Tutor**

08/2023 - Current

**Northern Arizona University Academic Center** – Flagstaff, AZ

- Collaborated with fellow tutors to develop effective strategies for addressing diverse student needs and abilities.
- Enhanced students' understanding of subject matter by incorporating real-world examples into lessons.
- Collaborated with students 10 hours weekly on progress reports and outside instruction.
- Courses taught - Introductory engineering courses in Computer-Aided Design, Calculus

## CERTIFICATIONS

- SolidWorks CSWP certification (2026)