

Maeve Jastrzebski

<https://www.linkedin.com/in/maeve-jastrzebski> | 480-453-8683 | maevejastrzebski@gmail.com

Projects

Formula SAE - Suspension/ Mechanical Engineering Design I & II

August 2025 - May 2026

- Designed suspension components in SolidWorks, applying lightweight design principles and tolerance analysis.
- Modeled suspension kinematics using OptimumK and MATLAB to evaluate camber gain, roll center migration, bump steer, and load paths.
- Performed load calculations and stress analysis in MATLAB and Excel to size components for strength and fatigue considerations.
- Generated STL files for 3D printing and DXF files for CNC laser cutting from SolidWorks models.
- Supported machining assembly, and alignment verification of suspension components.
- Worked with chassis, drivetrain, and aero teams to integrate suspension into overall vehicle design.
- Presented design results and analysis in team design reviews.
- Met strict competition deadlines while iterating designs based on testing and feedback.

Engineering Stem Kit/ Design and Manufacturing Project

August 2024 - December 2024

- Designed a robotic car assembly that is suitable for children to enhance engineering concepts early in education.
 - Focused on the stem principles of circuits and kinematics.
 - Created and managed a bill of materials to keep costs below \$20 per kit.
 - Tested and produced a working prototype that moves in both directions.
-

Education

Northern Arizona University / Bachelor's of Science - Mechanical Engineering

August 2022 - May 2026 Flagstaff, AZ

Related Coursework: *Statics & Mechanics, Dynamics, Thermodynamics, Fluid Mechanics, Machine Design, Differential Equations, Physics I & II, Electrical Engineering*

University of Oviedo / La Casa de las Lenguas / Minor - Spanish / Foreign Exchange

January 2025 - May 2025 Oviedo, Spain

Experience

Theta Tau Co-Ed Professional Engineering Fraternity / Omicron Epsilon Chapter

August 2024 - Current

President | August 2025-Current | Risk Management, Retreat Coordinator, Historian | August-December 2024 | Historian, Retreat

Coordinator, Social Chair | August-December 2025 |

- Professionalism: attend industry visits, hold resume workshops, organize mock interviews
- Service: volunteer at Habitat for Humanity during spring break, own and clean a street every semester
- Brotherhood: run study sessions twice a week, built network of engineering students and current engineers

City of Tempe / Aquatics

(Seasonal) May 2019 - Current

Assistant Manager | May 2024 - Current | Head Lifeguard | May 2021 - Current | Junior Lifeguard Coordinator | April 2020 - Current |

- Organized lifeguard/junior lifeguard training in CPR, AED, standard first-aid, supplemental oxygen support, etc.
 - Created lifeguard/junior lifeguard rotations for shifts as well as weekly work schedules for our volunteers.
 - Collected pool chemicals every two hours on every shift.
 - Addressed patrons, parents, volunteers, and lifeguards' concerns.
-

Skills

Software / SOLIDWORKS, LabVIEW, OptimumK, Microsoft Office

Manufacturing / Machining, 3D printing

Programing / MATLAB