
Ryan Meger

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Objective:

Driven mechanical engineering graduate with a strong foundation in developing test plans, electrical schematics, CAD design, and MATLAB. Seeking to apply my technical expertise and innovative problem-solving skills in a challenging engineering environment to deliver impactful solutions and drive team success.

Education:

Bachelors in Mechanical Engineering

Northern Arizona University • Flagstaff, AZ • GPA: 3.48

Aug 2021 - Projected for May 2025 Graduation

Relevant Experience:

Faraday Flyer Project / Lab Technician

Sep 2024- Present, Flagstaff, AZ

- Designing, documenting, and upgrading a large-scale drone to carry an antenna to receive and track radio-collared wild animals.
- Designing a system to minimize noise in electromagnetic frequencies occurring from drone components to increase tracking accuracy.
- Designed and prototyped with CAD (Solidworks & Onshape) and 3D printing to enable project objectives.

Formula SAE NAU Capstone

June 2024- Present, Flagstaff, AZ

- Led FEA of chassis structure and design for torsional strength optimization and verification.
- Executed integration testing of suspension components and aerodynamic systems.
- Collaborated with cross-functional teams to ensure safety and reliability across all system integrations, while complying with a rigorous rule set.
- Responsible for creating and constructing the aerodynamics kit with local manufacturing business, Nova Kinetics.

Unio Digital / IT Technician

Jun 2022- Aug 2022, Tucson, AZ

- Installed and configured internet cables for commercial clients.
- Learned the importance of doing a job correctly and in a timely manner.
- Gained hands-on experience in structured cabling, problem-solving, and IT infrastructure in Tucson.
- Summer job used to fund personal drone cinematography passion.

Leadership Roles:

- Created a team of young, high-performing skeet shooters in Tucson, AZ leading them to competitions across the country.
- Trained and encouraged the Tucson Shooting Stars, a club for children to learn how to shoot skeet.
- 2018 American Skeet Junior World Champion

Relevant Skills:

Proficient in SolidWorks, OnShape, MATLAB, SolidWorks Simulation, Microsoft Excel & Word, Additive Manufacturing Techniques, FAA Part 107 Certified, Drone hardware and software integration