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OBJECTIVE

Driven Fourth year student at NAU with a 3.3 GPA studying Mechanical Engineering. Seeking a full-time position to apply my project and internship experience. Eager to integrate myself into a team that solves challenging real-world problems that will provide me the foundation to develop as a professional.

PROJECT EXPERIENCE

2022-Present, FSAE (Formula SAE Electric)

- Involved with chassis and suspension development with a team to create a legal and safe frame for the drivetrain and suspension team.

2021-Present DOE/NREL CWC Turbine Development lead

- Leading turbine development to create optimal blade and airfoil design to optimize brake, pitch, and anchoring systems, as well as utilizing several aerodynamics software packages to simulate flow over airfoils and other wind turbine components.

2021, Original design and prototyping competition

- Designed and 3d-printed a vehicle that was scored by displacing varied materials and objects in 5 minutes to achieve 3rd place among all teams.

PROFESSIONAL DEVELOPMENT

May – August 2022, Engineering Intern, Mazzei Injector Corp.

- Developed P&IDs and fabrication drawings for Ozone injection skid systems, along with fabrication and assembly of subsystems such as programming of flow meters, wiring of electric actuators, and quality control testing of metallurgical properties and wiring.
- Designed an entirely automated testing system for 2, 3, and 4 inch injectors that consisted of two VFD driven pumps and capability to support the largest injection skids we produced.

2016 – 2019, Technician intern, Airtech indoor air quality

- Fabricated sheet metal for Air conditioning unit installations.
- Designed truss structures for mounting units.
- Diagnosis and troubleshooting of various components of electrical and refrigeration systems.

May – August 2018, Administrative Assistant, JTS Construction

- Worked with supervisors and supporting team to convert paper files of projects to an electronic database.

April 2021 –May 2022, Manager, Jimmy John's

- Performed daily mandatory operations such as managing documentation of spending on product and revenue.
- Developed a safe and efficient work environment for my team to excel without conflict or confusion.

September 2021 – Present 2022, ASME (American Society of Mechanical Engineers)

- Developed engineering experience with FE exam reviews, company field trips, Solidworks certification training, and hands-on experience with engineering principles.

EDUCATION

2019 – Present, B.S. Mechanical Engineering, Northern Arizona University

- Expected Graduation date, May 2023

SKILLS

- MATLAB, Solidworks, AutoCAD, Excel, CFD
- Product design and development
- Team management and leadership