

RYAN FITZPATRICK

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EDUCATION

AUGUST 2020 - PRESENT

BACHELOR OF ENGINEERING, NORTHERN ARIZONA UNIVERSITY

3.64 GPA, Dean's List

EXPERIENCE

AUGUST 2023 – PRESENT

DRIVETRAIN TEAM MEMBER, NAU SAE BAJA TEAM

Responsible for the design of the rear gearbox of the vehicle and integration into the other drivetrain components. The gearbox was designed from scratch using a target gear ratio to achieve optimal power output to the rear wheels and to the four-wheel drive system.

Gained experience in manufacturing vehicle components throughout the project.

MAY 2023 – AUGUST 2023

PROJECT ASSISTANT I, GCW INC.

Worked daily in the Civil3D software for project design and drawing corrections. Compiled project submissions for the client at critical design milestones and participated in quality control workshops. Became familiar with the ArcGIS system and its numerous applications. Created multiple training protocols to help current and future project participants.

JUNE 2021 – PRESENT

DETAILER, DUKE'S DETAILING

Detailed vehicles' interiors and exteriors including boats, RVs, cars, trucks, and off-road vehicles. Requires a keen attention to detail. Includes the upkeep of all the required hardware such as engines, heaters, and generators. Help to maintain a high degree of work quality to establish credibility as a small business.

SKILLS

- Fluent in AutoCAD Civil 3D and SolidWorks
- Fluent in MATLAB coding software

ACTIVITIES

- Member of The American Society of Mechanical Engineers (ASME)
- Member of Society of Automotive Engineers (SAE)
- Member of SkillsUSA in which I placed 4th in Southern Nevada for Automotive Technology