

Henry Van Zuyle

henryvanzuyle@gmail.com

EDUCATION

Northern Arizona University
Bachelor of Science in Mechanical Engineering

Flagstaff, Arizona
Expected August 2024

WORK & LEADERSHIP EXPERIENCE

NAU Engineering Fabrication Lab

Machine Shop Student Manager

Flagstaff, Arizona

January 2022 – April 2024

- Ensured that the machine shop was a safe and accessible environment for student working on school projects.
- Instructed 286L, a manufacturing lab class that covered manual and CNC mill, manual lathe, welding, and precise measurement techniques.
- Provided consultation to students about design for manufacturing and cost reduction.
- Manufactured parts for various engineering projects, including satellite modules and racecars.

Baja SAE Capstone

Manufacturing Lead and Drivetrain Lead

Flagstaff, Arizona

August 2023 – April 2024

- Designed and implemented all components of an electronically controlled CVT transmission.
- Manufactured custom parts on Haas CNC mills and lathes.
- Ensured timely and high-quality manufacture of custom parts.

NAU Society of Automotive Engineers

Vice President

Flagstaff, Arizona

August 2022 – April 2024

- Managed the bureaucratic needs of the club.
- Instructed members in good engineering design habits and methods.

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: SolidWorks, Mastercam, MATLAB programing, manual and CNC machining, TIG welding, general metal fabrication.

Activities: SAE club, machine shop management

Interests: Off-road trucks and motorcycles, CNC machining, automotive maintenance.