

Seth Scheiwiller

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PROFESSIONAL SUMMARY

Motivated and dependable student with an ambition for hands-on experience within the engineering profession. Currently demonstrates a record of academic excellence and experience with engineering design and teamwork.

SKILLS

- Microsoft Office
- Solidworks
- MATLAB
- ANSYS FEA
- MasterCAM

WORK HISTORY

MACHINE SHOP MANAGER | 08/2024 to Current
NAU Fabrication Shop - Flagstaff, AZ

- Assisted the manufacturing of various parts for engineering applications and conducted routine maintenance of equipment and machines.
- Instructed the ME 286L Manufacturing Lab and advanced training sessions to teach prospecting students how to use manual and CNC machines.
- Consulted with students on design for manufacturability to improve efficient production and reduce costs.

TEAM LEAD AND DRIVETRAIN LEAD | 05/2024 to Current
SAE Baja Capstone - Northern Arizona University

- Working with a team devoted to designing and fabricating a competitive off-road vehicle set to compete this coming May.
- Designed components of a mechanically integrated CVT transmission to improve efficiency of the drivetrain.
- Designed dog clutch mechanisms for selectable 4WD and a chain drive connecting the rear drivetrain to the front drivetrain.
- Assisted with the design and development of front and rear gearbox components including shafts and CV cups.
- Collaborated with suspension and chassis sub-teams on system integration to ensure successful completion of the project.

AUTOMOTIVE TECHNICIAN | 05/2024 to 09/2024
Valvoline Instant Oil Change - Flagstaff, AZ

- Ensured quality control by following manufacturer and company guidelines during preventive maintenance services and installations for automotive vehicles.
- Ensured equipment was in good condition, followed safety procedures, and maintained an organized and clean working environment.

PRINTING ASSISTANT | 05/2022 to 08/2022
Aim High Marketing - Henderson, NV

- Operated and maintained equipment for the production of custom apparel, print, and promotional items for a diverse range of clients.
- Organized inventory, carried out deliveries, completed tasks in a timely manner, and helped with graphical design.

EDUCATION

Northern Arizona University - Flagstaff, AZ | Bachelor of Science
Mechanical Engineering, Expected in 05/2025

- 3.97 GPA, Dean's List, Tau Beta Pi Member, SAE Club Member

CERTIFICATIONS

CNC Machinist Certification - Coconino Community College