

Michael Fischer

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Objective

I am looking for an internship or co-op in the fields of material science or metallurgy where I can provide sample testing and various forms of substance analysis.

Education

University of Wisconsin Madison

Bachelor of Science: Material Science and Engineering | May 2027

GPA: 3.13/4.0

Relevant Coursework: ECE 235 Solid State Electronics, MS&E 332 Macroprocessing of Materials, STAT 324 Introductory Applied Statistics for Engineers

Engineering Skills

Equipment:

X-Ray Diffraction, Fourier Transform Infrared Spectroscopy, Tensile Tester, Differential Scanning Calorimeter, Optical Microscope, Hardness Tester, UV-Vis Spectrophotometer

Software:

MATLAB, Pandat2025, Microsoft Excel

Other:

Grinding and Polishing Samples, Etching, Sample Mounting

School Projects

Technical Report (Kinetics and Thermodynamics Lab)

- Created a report on the purpose of carburizing steel for a fictional company producing camshafts.
- Utilized optics and hardness testing to determine the diffusion coefficient of the material and compared the accuracy of both methods.

Work Experience

School Specialty, Greenville, WI

Forklift Operator: May-August 2025, May-August 2024, July-September 2023

- Transported school supplies and other materials between various racks and loading docks.
- Kept up to date records of the transport product as I moved between docks and storage.

Activities

Material Advantage/ American Foundry Society UW Madison Student Chapter - Member

SAE Badger Snowmobile Club - Member

Wisconsin Badger Waterski Club – Member