

Ivan Cermak

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Objective

I am seeking a full-time employment opportunity, ideally related to metallurgy.

Education

- University of Wisconsin-Madison Fall 2021 - Present
 - Currently pursuing MS in Materials Science and Engineering
 - BS in Materials Science and Engineering major, GPA 3.95
 - Certificate in Nuclear Engineering Materials
 - Emphasis courses include Advanced Metal Casting, Welding Metallurgy, and Fundamentals of Heat Treatment.
 - Assisted with LLM knowledge graph and liquid metal dealloying research
 - Attended FEF College Industry Conference 2023, 2024, IMAT 2024, TMS 2025
- Middleton High School, Middleton WI 2017 - 2021
 - National Merit Finalist, GPA 3.997

Work Experience

- Metallurgy Intern, Grede May 2025 - August 2025
 - Projects included defect analysis, determining if alternative test bars produce the same results as the current test bars, analyzing alloy addition recoveries
- Metallurgy Intern, Waupaca Foundry May 2024 - August 2024
 - Main project involved finding ways to improve their process of making carbon additions in order to get more consistent melt compositions
- Assembly, Automation Components Inc. Seasonal, summer 2022, winter 2023, summer 2023
 - Assembled and soldered temperature sensors

Extracurricular Activities

- Material Advantage/American Foundry Society UW-Madison Student Chapter 2021 - present
 - AFS Co-President Fall 2023 - Spring 2025
 - SFSA Cast in Steel competition 2023, 2024, and 2025
- Tau Beta Pi spring 2023 - spring 2025
- UW Hoofers Outing Club spring 2023 - present
- Scouts BSA 2014 - fall 2025
 - Eagle Scout, Senior Patrol Leader (over 2 years), Order of the Arrow

Skills and Experience

- Hardworking, persistent, willing and able to learn new things
- Able to use a wide variety of hand tools, good at working with my hands
- Experience with sample preparation, optical microscopy, tensile testing, microhardness, x-ray diffraction, metal casting, python, excel, and more

Hobbies and Interests

- Blacksmithing and Woodworking (Self taught)
 - Projects have included designing and building a hand hewn timber frame shed as well as making a variety of tools and other functional and decorative items