

Ethan Oelze

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Education

University of Missouri	Bachelor of Science in Mechanical Engineering	GPA: 3.4/4.0
University of Missouri	J.D.	1L

Work Experience

Black, Ballard, and McDonald: June 2025 – July 2025

- Analyzed Probate and Mineral Rights cases, Shadowed Attorney's work, Conducted general research

Mizzou Civic Leaders Internship Program: February 2025-Present

- Intern for State Representatives Tiffany Price and Dane Diehl at Missouri Capital
- Researched Information for Representative's submitted bill
- Wrote constituent letters, answered phone calls, created datasheets for representatives' districts

Intern for Congressman Mike Bost: June 2024-August 2024

- Updated congressional district database to include new counties' information from 2023 redistricting
- Archived recorded constituent case files

NASA-Missouri Space Grant Summer Internship Program 2023: May 2023-April 2024

- Researched oscillating heat pipes and thermal fluid properties
- Assisted in fabrication of heat pipes, charging of working fluid, and assembly of experiment system
- Tested and adapted setup of heat pipe system, analyzed results and thermal efficiency, created report

University of Missouri Student Design Work: December 2022-June 2023

- Redesigned the lid of the ThermAvant Burnout mug to improve functionality
- Created models for design using Solidworks, 3D printed Designs and presented results to supervisor

Berry Global: September 2021-December 2021

- Production, packaging, equipment maintenance, and regulation of production output

Oelze Oil Company: May 2020- present

- Pumpjack repair and general maintenance, Equipment procurement, Forklift operation
- Repairing electric motors and salt water disposal systems, MIT testing coordination

Family Farm: 2015-present

- Land maintenance, Grain storage, machinery operation and mechanical maintenance

Achievements

Kirk Monson Memorial Engineering Scholarship Fund Recipient 2022

President's award for Educational Excellence Illinois State Scholar

Pi Tau Sigma Honor Society Tau Sigma Honor Society

Skills

AutoCAD Solidworks Inventor Excel

Revit Fusion 360 Matlab Research

3-D Printing Report Creation Physical Drafting

Forklift Operation Metal Piping Installation

Organization Experience

Club KENO mathematics team

- Researched statistical anomalies in the state lottery game *Keno*
- Reached out to state lotteries to help correct mislabeled and mistaken probabilities
- Presented at the ShowMeMizzou Research Week

Participation in American Model United Nations Conference 2023