# Joshua Pohle

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*A Mechanical Engineering Student possessing CAD design and problem-solving skills. Matched by the adaptability to work cross-functionally for a team striving for innovation. Seeking the opportunity for a Summer 2026 Internship within the automotive industry.*

**Education:**

**Bachelor of Science, Mechanical Engineering** **May 2027**
*Rose-Hulman Institute of Technology* | Terre Haute, Indiana
**Related Courses:** Computer Programming, Conservation & Accounting Principles, Statics & Mechanics of Materials I & II, Electrical Systems, Design for Manufacturing, Materials Engineering, Fluid Systems, Mechanical Systems, Thermodynamics, Numerical Methods, Machine Component Design, System Dynamics, Mechatronic Systems, Measurement Systems

**Associate of Science, Design Technology** **July 2022**
*Ivy Tech Community College* | Lawrenceburg, Indiana
**Related Courses**: Intro to Design Technology, Mechanical Graphics, 2-D Computer Aided Design, 3-D Computer Aided Design

**Skills:**

***Technical*:** 3D Printing, Lathes Mill, CNC Mill, Laser Engraver, Circular Saw, Sand casting
***Software*:** Creo Parametric, CATIA V5, Auto CAD Inventor, SolidWorks, MATLAB, Microsoft Office
***Personal:*** Interpersonal Engagement, Team Communication, Cross-functional Collaboration, Leadership

**Internship Experience:**

**American Honda Motor Company, Inc.** | Greensburg, IN **June - Aug 2025**
*Facilities Intern*
- Used critical and systems thinking skills to create Engineering documentation such as scope of work, bid matrix, and end of life study
- Expanded my knowledge of data analysis to upgrade utility meters, and using Engineering fundamentals accounting for EV charger installs and parking lot reconfiguration
- Enhanced communication and planning skills by working on maintenance issues involving resource management within a continuous manufacturing plant

**Grain Systems Inc.** | Paris, IL **May - Aug 2024**
*Manufacturing and Quality Intern*
- Contributed within a team using Creo Parametric to design a computer cover, pallet drawings, and part storage crates to aid in fabrication, saving the company approximately $40,000.
- Used Engineering ideas such as ergonomics, time studies, manufacturing design analyses, family tables, and strategic inventory
- Experienced real world Engineering problems involving supply and demand in material handling

**Project Experience:**

**Running Shoe Organizer** **Oct 2025**
- Created 4 components of organizer with a motor, a 3D printer, a hacksaw, and a drill
- Used an Arduino with a keypad and display using C++ to store mileage and spin motor
- Worked with a partner on design to improve teamwork, planning, and leadership skills

**Dentist Bowl Analysis** **Mar 2025**
- Accounted for cross-sectional and shear stresses at different points of an operational dentist bowl
- Used MATLAB for simulations and calculations to account for stress values based on force
- Collaborated with a team to analyze how stresses contribute to the overall strength of a design

**Activities:**

**Rose-Hulman NCAA D3 Men's Cross Country and Track** **Aug 2022 – Present**
**American Society of Mechanical Engineers (ASME)** **Aug 2024 – Present**