

ARTEM VOVCHENKO

MECHANICAL ENGINEERING STUDENT AT THE OHIO STATE UNIVERSITY

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Cincinnati, Ohio

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Seeking full-time engineering position beginning Summer 2027

EDUCATION

The Ohio State University Aug 2023 – May 2027
Bachelor of Science in Mechanical Engineering & Minor in Robotics and Autonomous Systems

- Current GPA: 3.927
- Dean's list all semesters

WORK EXPERIENCE

Schaeffler, Wooster, OH May 2026 – Aug 2026
Torque Converter Design Co-op

- Supported product design projects including designing a display model of a prototype torque converter
- Coordinated with a customer on initial packaging studies for a potential new product
- Conducted studies on part thin-out caused by stamping & used data to update design guideline
- Reviewed and corrected design stack-ups on assemblies

Schaeffler, Wooster, OH May 2025 – Aug 2025
Tool Design Co-op

- Designed an adjustable metal strip alignment guide for a stamping press
- Coordinated meetings with designers and tool makers on a project involving 11 stamping dies to resolve 48% of existing deviations
- Designed two prototype stamping dies
- Investigated compressed air usage on equipment for potential savings

Schaeffler, Wooster, OH Jan 2025 – May 2025
Brazing Co-op

- Supported manufacturing engineering projects by developing a system to track 120 production equipment parts on 5 lines
- Implemented dynamic Excel dashboards from production data
- Analyzed scrap created by assembly robots & recommended machine adjustments that reduced scrap by 50%

Lavner Education, Pittsburgh, PA Jun 2024 – Aug 2024
STEM Camp Instructor Intern

- Instructed kids in STEM topics, including LEGO Mindstorms robotics, 3D printing, 3D modeling, & space exploration

PROJECT EXPERIENCE

Terrestrial Robotics at Ohio State Aug 2023 – Present
Active Member, Mechanical Lead

- Responsible for designing and building a Mars rover for the University Rover Challenge
- Primarily worked on arm system, including shoulder and wrist design

SKILLS & ABILITIES

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| • CAD: SOLIDWORKS, Onshape, Creo | • Manufacturing: Metal Stamping, Manual Machining, Conversational CNC |
| • 3D Printing: PLA, PETG, resin | • Programming: MATLAB, C++, Raspberry Pi, HTML |
| • Design: Product Design, GD&T | |
| • Software: ANSYS, Windchill, Excel, Word | |