

Joseph Wahlstrom

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117 Countryside Dr, Bowling Green, KY | Willing to Relocate

PROFESSIONAL SUMMARY

Detail-oriented and innovative Mechanical Engineering student with hands-on experience in CAD modeling, mechanical design, and robotics. Demonstrated success in collaborative engineering projects involving gear systems, 3D printing, and motorized assemblies. Adept at using SolidWorks and troubleshooting mechanical systems. Passionate about designing reliable and efficient mechanical components and mentoring future engineers.

EDUCATION

Western Kentucky University – Bowling Green, KY

Bachelor of Science in Mechanical Engineering

Minor: Systems Engineering

Graduated: June 2025

Florida College – Temple Terrace, FL

Associate of Arts in General Studies

Graduated: May 2022

ENGINEERING EXPERIENCE

VEX Robotics Competition – Team Member & Engineering Mentor

Indianapolis, IN | Aug 2014 – Apr 2020

- Designed, built, and programmed competitive robots from the ground up to meet event-specific design challenges.
 - Used CAD modeling tools to iterate on robot subsystems and drive mechanisms.
 - Collaborated with team members to improve overall efficiency and modularity.
 - Recognized as Division Finalist at the 2018 VEX World Championship.
 - Mentored younger team participants in design principles, gear ratios, motor control, and autonomous logic.
 - Continuously improved autonomous logic to maximize efficiency and points scored.
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TECHNICAL SKILLS

- **CAD Tools:** SolidWorks (including Toolbox), Autodesk, ANSYS
- **Fabrication:** 3D Printing (PLA), Prototyping
- **Programming (Basic):** C++, Web VPython, HTML, Allen Bradley PLC
- **Engineering Tools:** Gear Design, Torque Calculations, Mechanical Assembly
- **Soft Skills:** Team Collaboration, Mentorship, Problem Solving, Attention to Detail
- **Project Management:** Excel / Word, Gated Design Review, Status Presentations