Justin Roberts

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EDUCATION The Ohio State University (OSU) December 2026
B.S. Chemical Engineering

QUALIFICATIONS
Coursework: Heat Transfer, Thermodynamics, Separations, Kinetics, Physical Chemistry, Process Controls, Mass Transfer
Software: AutoCAD, C3ntinel, eDNA, MATLAB, Excel, Microsoft Word, SolidWorks. BarTender
Experience with: Piping Design and Systems, Process Analysis and Optimization, Engineering Software, Cross Functional Collaboration, Process Documentation, Project Coordination, Chemical Manufacturing
Communication: Strong interpersonal skills gained through industry experience with cross-functional teams

INTERNSHIPS
GFS Chemicals, *Project Coordinator/Engineer intern (20hrs/wk while full time student)* October 2025 – Present
- Engineered comprehensive technical documentation and AutoCAD layouts for 20+ product lines; authored precise purchasing specifications to ensure material consistency and streamlined the kitting process for the assembly team.
- Coordinated 10+ multi-departmental projects simultaneously ranging from small to larger scales, overseeing progress tracking and jumping into various roles as needed to assist teams with urgent tasks and prevent project delays.
- Developed and managed private-label branding for multiple chemical manufacturers, utilizing BarTender software to design and deploy compliant labeling for 10+ distinct product lines.
- Outsourced mission-critical raw materials, aiding in overcoming supply chain hurdles and meeting strict federal procurement requirements to move forward with a $160k contract with the Navy.

Ecosystem Energy, *Engineering Intern* May 2025 – August 2025
- Leveraged utility data platforms (C3ntinel, eDNA) to evaluate steam, chilled water, and electricity consumption across 10+ OSU buildings, identifying energy-saving opportunities and maintaining 30+% energy saving goals
- Engineered demolition plans and asset documentation workflows to streamline steam-to-hot-water transition projects; conducted reviews of mechanical drawings and performed field verifications to ensure projects met client deadlines.
- Partnered with multidisciplinary teams to plan and execute piping layouts, pressure regulation systems, and control valve setups and optimization; supported on-site project walkthroughs, demolition activities and LOTO.
- Assisted in preparation of monthly Measurement & Verification energy savings resorts through utility data validation; root cause analysis of metering discrepancies, and development of performance dashboards in Excel to monitor savings and ensure client satisfaction.

Capital Resin Corporation, *Process Engineering Intern* May 2024 – January 2025
- Gained hands-on experience in a PSM-regulated facility, understanding requirements for operating procedures, Materials of Construction, Process Safety information and other documentation to ensure a safe working environment
- Contributed to the development of a continuous formaldehyde system, acid reactors and resin reactors by creating and updating Piping and Instrumentation Diagrams and Device Lists
- Utilized AutoCAD to create and modify over one hundred engineering drawings and conducted field verification to ensure accuracy, optimize workflows, and adhere to regulatory compliance while keeping BOM's updated.
- Collaborated cross-functionally with engineers and technicians to ensure safe startup of the facility in Detroit,MI; allowed the company to secure a long term contract with DOW.