

Justin Roberts

Chemical Engineering Student · Process & Project Engineering

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CORE COMPETENCIES

Process Engineering

Project Coordination

P&ID Development

AutoCAD

PSM Compliance

Energy Analysis

Cross-Functional Collaboration

Technical Documentation

PROFESSIONAL EXPERIENCE

Project Coordinator / Engineering Intern

Oct 2025 – Present

GFS Chemicals · Columbus, OH (20 hrs/wk while full-time student)

- Engineered technical documentation and AutoCAD layouts for 20+ product lines, authoring purchasing specifications that reduced material inconsistencies by [X] % and cut assembly kitting time by [X] hours/week
- Coordinated 10+ multi-departmental projects simultaneously across small and large scales, maintaining [X] % on-time delivery rate by proactively jumping into support roles to prevent delays
- Developed private-label branding for [X] chemical manufacturers using BarTender software, designing compliant labeling for 10+ product lines that passed [X] % of regulatory audits
- Sourced mission-critical raw materials to overcome supply chain hurdles, meeting federal procurement requirements and enabling a \$160K Navy contract to close [X] weeks ahead of deadline

Engineering Intern

May 2025 – Aug 2025

Ecosystem Energy · Columbus, OH

- Analyzed steam, chilled water, and electricity consumption across 10+ OSU buildings using C3ntinel and eDNA platforms, identifying [X] + energy-saving opportunities that maintained 30%+ savings targets
- Engineered demolition plans and asset documentation workflows for steam-to-hot-water transitions, completing field verifications [X] % faster through standardized review processes
- Partnered with multidisciplinary teams to plan piping layouts, pressure regulation systems, and control valve optimization, supporting [X] on-site walkthroughs and LOTO activities with zero safety incidents
- Prepared monthly M&V energy savings reports through utility data validation and root cause analysis of metering discrepancies, building Excel dashboards that reduced client reporting time by [X] %

Process Engineering Intern

May 2024 – Jan 2025

Capital Resin Corporation · Columbus, OH

- Operated in PSM-regulated facility, mastering requirements for operating procedures, Materials of Construction, and Process Safety documentation that ensured [X] % compliance during audits
- Contributed to continuous formaldehyde system development by creating and updating [X] + P&IDs and Device Lists for acid reactors and resin reactors, reducing design iteration cycles by [X] %
- Created and modified 100+ engineering drawings in AutoCAD with field verification, optimizing workflows and maintaining BOM accuracy that reduced procurement errors by [X] %
- Collaborated cross-functionally to ensure safe startup of Detroit facility with zero incidents, directly enabling the company to secure a long-term DOW contract worth \$ [X]

EDUCATION

BS in Chemical Engineering

Expected Dec 2026

The Ohio State University · Columbus, OH

TECHNICAL SKILLS

Software AutoCAD, SolidWorks, MATLAB, C3ntinel, eDNA, BarTender, Microsoft Excel

Engineering P&ID Development, Piping Design, Process Analysis, Heat Transfer, Separations, Kinetics

Domains Chemical Manufacturing, PSM Compliance, Energy Systems, Process Controls, Mass Transfer