

Colleen Coop

4321 Potter Hall Highway * West Lafayette, IN 47907 * (765) 321-4567
collincoop@purdue.edu

Education

Purdue University

Bachelor of Science, Industrial Engineering

West Lafayette, IN
May 2025

- Minor in Economics - Focus in Manufacturing
- ENGR 131/132 Undergraduate Teaching Assistant (3 semesters)
- GPA: 3.73/4.0

Engineering Experience

Owens Corning – Process Engineer Intern Summer 2024 Amarillo, TX

- Reduced binder migration through analyzing data and creating a method that can be used to reduce overall scrap by 1.5% through whole plant
- Profiled existing products given new parameters and communicate findings to production
- Audited all current machine tool wear, suggest tool replacement, and establish method for audit/PM, estimated savings at \$150,000

General Electric – Material Control Specialist Co-op Spring 2024 Louisville, KY

- Material logistics lead for over 300+ unique parts (\$500,000 value) used on 3 assembly lines at the rate of 7000 units/day
- Reduced in-house inventory levels by 10%
- Decreased trailer lot detention rates by 8%
- Contributed a major role in plant quality issue by working with supplier, sourcing, and quality teams to provide standing resolution

General Electric – Quality Improvement Engineer Co-op Fall 2023 Louisville, KY

- Advanced current fabrication processes to improve ergonomics, reduced scrap costs, and decrease production downtime at estimated savings of \$250,000/year
- Analyzed dimensional data to provide background to quality and production team
- Collaborated with cross-functional team to solve safety issues on shop floor, which is resulting in a new state-of-the-art machine being brought into plant for daily use
- Solved root causing technical issues through collaborative communication with Quality Team

General Electric – Business Team Leader Co-op Summer 2023 Louisville, KY

- Managed manufacturing line of 120+ union (IUE-CWB) operators in making of 1500+ top load washers per shift 5 days a week in cooperation with management team
- Oversaw timecard validation through Kronos for entire work force
- Solved personal and union issues on daily basis while working with the line stewardess
- Directed production floor workarounds in the event of machine or other types of failure

General Electric – M1 Imports Project Leader Co-op Fall 2022 Louisville, KY

- Created seamless flow of assembly of prototype parts through facilitation of international clearances with U.S. Customs by working with 3rd party vendors such as FedEx and UPS)
- Reduced time analyzing data files and creating daily reports using VBA coding
- Established method for analyzing new weekly report to ensure U.S. Customs compliance

Technical Skills

- Software Experience: AutoCAD, Microsoft Word, Excel, Access, SAP, ARENA, Kronos
- Computer Programming Languages: MATLAB, C, VBA, Python, HTML, PHP, R, SQL
- Industrial Methodologies: Six Sigma, Lean Manufacturing, Supply Chain Management