



# Ethan Molnar

Available for Co-Op Summer 2024

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## Education

University of Cincinnati - Cincinnati, OH Class of 2025

College of Engineering and Applied Science GPA: 4.0

- Bachelor of Science in Chemical Engineering
- Cincinnati Distinction Scholar, University Honors Scholar
- Dean's List x5

Carl H. Lindner College of Business GPA: 4.0

- Master of Business Administration [via ACCEND Program]

## Professional Experience

Chemical Engineering Co-Op - Olin Corporation Aug - Dec 2023

- Justified \$20K+ in cost savings and \$1.7M+ in lost production avoidance
- Validated vessel PRLs for emergency relief sitewide
- Sized, quoted, and planned installation of valves in cost-savings project
- Automated collection, storage, and visualization of MOD V IO deviation data
- Updated P&IDs, MOD V graphics, equipment tags, and PHA-LOPA documentation

Process Engineering Co-Op - Emery Oleochemicals Jan - Apr 2023

- Led batch production quality testing program [near-infrared spectrometer]
- Customized tools for recording continuous production data
- Performed plant-wide integrity inspections and safety checks
- Coordinated new product trials, collected samples, and streamlined distribution

Controls Engineering Co-Op - Cornerstone Controls Aug - Dec 2021, May - Aug 2022

- Created, revised, and tested Delta V GUI and runtime logic
- Standardized control modules and databases, filed all associated revision documentation
- Overhauled warehouse organization and independently managed shipping logistics

## Skills

Process Control, Coding, and Automation

Delta V, OSIsoft PI, Process Explorer, Python [numpy, pandas, scipy, plotly], RegEx, Conda, Visual Studio Code, ChemCAD, HTML, Dowtran, Batch Scripting, Git/GitHub, TI-Basic, iOS Shortcuts

Productivity, Creativity, and Multimedia

AutoCAD, Microsoft Office Suite, VBA, Power BI, SAP, Davinci Resolve, OBS Studio, ffmpeg, paint.net, Audacity, Adobe Illustrator, Blender

## Leadership

UC ChemCats - President Jan 2022 - Present Day

Service Organization - Focus on Chemistry and STEM Education Outreach

- Volunteer through student-led tutoring and activities in the Oakdale School District
- Influenced UC student body, local community, and national chemistry groups

UC Rotaract - Co-Marketing Director Aug 2020 - Apr 2021

Service Organization - Focus on Combating Disease and Community Development

- Spearheaded World Polio Day Fundraiser and other charity events