

Meredith Bartel

216-243-0304 | meredithbartel6@gmail.com | linkedin.com/in/meredith-bartel | github.com/meredithbartel

EDUCATION

University of Cincinnati | **GPA: 3.66**

Expected Graduation: May 2027

B.S in Computer Science

Cincinnati, OH

Honors: Cincinnati Century Scholar, CEAS Computer Science Excellence Scholar

Coursework: Data Structures, Discrete Structures, Database Systems, Web Programming

Cuyahoga Community College | **GPA: 3.9**

August 2022 – May 2023

Associates of Arts

Cleveland, OH

SKILLS AND INTERESTS

Languages: C#, C++, Python, LabVIEW, SQL, MATLAB, HTML, Ladder Logic (PLC)

Technologies: Ignition SCADA, PLCs, InvenTree, Bootstrap, APIs, NumPy, Flask, HMI Design

Interests: Industrial Automation, System Design, Web Development

PROFESSIONAL EXPERIENCE

Grantek

May 2025 – August 2025

Systems Engineering Co-op

Cincinnati, Ohio

- Deployed InvenTree inventory management system from scratch, enabling tracking of high-value products previously lost due to lack of monitoring, saving significant equipment costs.
- Resolved critical PLC bug causing multi-hour production line shutdowns during speed increases, improving system reliability across all company sites.
- Developed Ignition SCADA testing interface reducing engineering troubleshooting time from hours to minutes during new site installations.
- Built comprehensive PLC/HMI stoplight control system with full debugging and integration testing.
- Created technical documentation and onboarding materials for AOIs and InvenTree, streamlining knowledge transfer.

Regal Rexnord

June 2024 – August 2024

Software Engineering Intern (Solar Gearing Team)

Florence, Kentucky

- Automated data analysis with Python, reducing processing time by 85%.
- Modernized thermal rating tool by refactoring thousands of lines of legacy code.
- Saved \$256K by identifying and repurposing 68K unused gear blanks through data analysis.
- Enhanced defect detection accuracy by improving peak-finding algorithm for end-of-line testers.
- Created interactive data visualizations improving decision-making efficiency.

PROJECTS

Spotify-Stats | *Python, Spotify API, Flask*

August 2024

- Built multi-user authentication system leveraging Spotify OAuth for concurrent access.
- Implemented playlist management, artist data retrieval, and featured playlist integration.

Warehouse Robot | *Python, EV3, Computer Vision*

June 2023

- Programmed autonomous robot using LIDAR and gyroscope sensors for precise navigation.
- Implemented barcode scanning for load categorization and inventory tracking.

WORK EXPERIENCE

Chipotle

June 2021 – July 2024

Crew Member

Twinsburg, Ohio

- Trained and onboarded new hires across multiple locations, demonstrating leadership and communication skills.
- Maintained efficiency and quality standards in high-volume, fast-paced environment.