

Connor N. Monaghan

monaghcn@mail.uc.edu
(302) 268-0037

Local: Cincinnati, OH 45221
Permanent: Wilmington, DE 19810
LinkedIn: www.linkedin.com/in/connor-n-monaghan

Education

University of Cincinnati, Cincinnati, OH
Bachelor of Science - *Computer Engineering*

Graduating: April 2028
GPA: 3.68/4.00

Relevant Courses

- Signals and Systems, Electronics I, Network Analysis, Digital Design, Programming in C++

Experience

R.A Jones, *Convington, KY*

August 2025 – December 2025

Electrical Engineering Co-op

- Lead developer programming a Keyence 2D/3D Laser Profiler to interface with an Allen-Bradley PLC on next generation packaging equipment
- Programming and troubleshooting Allen-Bradley and Beckhoff PLCs on packaging equipment

R.A Jones, *Convington, KY*

January 2025 – April 2025

Electrical Engineering Co-op

- Programmed and troubleshoot Allen-Bradley PLCs on cartoning machines
- Integral to Factory Acceptance Testing for a cartoning machine by implementing PLC logic and collaborating directly with customers to meet their needs in a timely manner
- Enhanced existing core machine logic an Allen-Bradley PanelView HMI to improve efficiency and reduce programming time for future models

Concord High School, *Wilmington, DE*

September 2022 – June 2023

Engineering Teacher's Assistant

- Guided up to 30 students towards solutions to specific problems regarding year-long Capstone projects
- Taught a class of engineering students the necessary skills and safety while using tools such as laser cutters, table saws, 3D printers, and miter saws
- Selected to return as a Design Day evaluator, providing professional feedback and scoring student Capstone projects on design, execution, and presentation

Community Involvement

Innovation Challenge – Extracurricular

February 2024 – Present

- Designed and built with a team of 4 peers, a salt spreading mechanism on the back of an RC car to autonomously salt sidewalks
- Managed motor wiring and undertook all 3D printing tasks for the salt hopper

Appalachia Service Project (ASP) – Volunteer Work

June 2022 – July 2022

- Improved a home and made it “Warmer, Safer, Drier” in central Appalachia by installing a new roof and vinyl siding

Boy Scouts of America – Extracurricular

January 2012 – May 2022

- Led a group of 12 scouts through an intensive 12-day hike at the Philmont high adventure camp as their troop guide – maintained spirits and overall group moral

Relevant Skills: Studio 5000, TwinCAT 3, AutoCAD Electrical, IO-Link, C++, Visual Basic, Python, Ultimaker Cura, OnShape, Excel, Java, 3D Printing, Laser Engraving, Woodworking, MATLAB, LabView

Available For Co-op In Summer Semester of 2026