

## Collin M. Rismiller

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Columbus, OH

[collinris.github.io](https://collinris.github.io)

### OBJECTIVE

Computer and Electrical Engineering student seeking Summer 2026 internship to apply skills in PCB design, embedded systems, and product testing while contributing to innovative engineering solutions.

### EDUCATION

Versailles High School

The Ohio State University, Columbus, OH

B.S. Electrical and Computer Engineering

GPA 3.84

GPA 3.1

Dean's List (Spring 2025)

Graduated:

May 2023

Expected Graduation:

May 2027

### WORK EXPERIENCE

#### Midmark Corporation – Versailles, Ohio – Electrical Engineering Co-op / Intern Summer 2024, 2025

- Designed and troubleshoot PCBs in Altium, supporting component selection and evaluation.
- Implemented ECOs and BOM updates for sustaining engineering.
- Performed validation testing and failure analysis with capacitors and thermocouples.

#### SAE Student Research – Baja Buckeyes Data Acquisition Lead Engineer September 2023 – 2025

- Designing and implementing sensor systems, CAN bus logging, and dashboards for competition vehicles.
- Manage PCB and embedded system integration for real-time performance data collection.
- Collaborated with project teams to validate testing needs and teach new members DAQ processes.
- Placed 11<sup>th</sup> out of 80 teams at Baja SAE Maryland.

#### Hartzell Air Movement – Piqua, Ohio – Machine Shop Apprentice & Safety Assistant – Summer/Winter 2023 – 2024

- Performed machining tasks for industrial fan manufacturing.
- Conducted safety audits, reviewed MSDS records, and improved shop safety procedures.

#### Ohio State University – Columbus Ohio – Office Assistant 2023 – Present

- Provide assistance and lead resolution of issues for residents, visitors, and staff.
- Manage mail, packages, inventory, and issue keys and BuckID's.
- Create a safe and secure environment in a residential setting.

### PROJECT EXPERIENCE

#### Allergen Detector – Software II Course Project, OSU Spring 2025

- Built a custom component-based system to analyze ingredient lists for hidden allergens.
- Implemented a kernel interface with layered design and validated with JUnit testing.
- Applied design-by-contract principles and test-driven development in modular architecture.

#### Eagle Scout Project – October 2022

- Planned and led construction of a Gaga Ball Pit for Heritage Park.
- Raised \$10,000+ in sponsorships by collaborating with 34 local businesses.
- Directed volunteer teams in all phases of construction and project management.
- Project site: [sites.google.com/view/collinriseaglescout](https://sites.google.com/view/collinriseaglescout)

### TECHNICAL SKILLS

- PCB Design & Analysis: Altium Designer, Circuit Troubleshooting
- Programming: MATLAB, C++, Java, Python, HTML, CSS, Assembly
- CAD & Simulation: SolidWorks, Onshape, AutoCAD, ANSYS
- Other Tools: Microsoft Word, PowerPoint, Excel, Teams, OneNote

### LEADERSHIP AND EXTRACURRICULARS

- President (2024–2025), Treasurer (2023–2024) Drackett/Lawrence/Torres Community Council
- Ohio State Athletic Band (2023–2025)
- Ohio State Residential Leadership and Welcome Leader (2023–2024)
- Eagle Scout, Boy Scouts of America (2015–2025)
- National Honor Society (HS, Grades 11–12)
- Band Leadership Team, President (HS)
- Piano (11 years)
- Varsity Golf, Band, Showchoir, Theater and Swim (2019–2023)