Collin M. Rismiller

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OBJECTIVE

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

EDUCATION

Versailles High School	GPA 3.84	Graduated:	May 2023
The Ohio State University, Columbus, OH	GPA 3.1	Expected Graduation:	May 2027

B.S. Electrical and Computer Engineering

WORK EXPERIENCE

Midmark Corporation – Versailles, OH -Electrical Engineering Co-op / Intern May 2024 – Aug 2025
- Designed and troubleshot 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.

Society of Automotive Engineers – 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 other sub teams to validate testing needs.
- Document and teach new members skills to be successful on the team.

Hartzell Air Movement – Piqua, OH 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 – Office Assistant 2023-Present
- Provide assistance and lead resolution of issues for residents, visitors, and staff.
- Mange mail, packages, inventory, and issue keys and BuckID's.
- Create a safe and secure environment in the 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 a 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**

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**

Leadership and Extracurriculars

- **President, Drackett/Lawrence/Torres Community Council (2023–2024)**
- **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)**