Aron Berger

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Available for 4th Co-op Fall 2026

WORK EXPERIENCE

Electronics Quality Engineer   August 2024 – Present
Valco Melton, Cincinnati, Ohio

- Designed and implemented a PCB retrofit solution that enhanced an existing test harness, extending its functionality to support the latest cable variants.
- Strengthened electrostatic discharge safety protocols by utilizing quantitative data and industry standards to devise solutions that helped resolve critical ISO audit findings.
- Directed the installation and routing of all cables within a modernized burn-in rack, enhancing efficiency and improving quality for the company by detecting and recording subtle errors that might otherwise go undetected.
- Proactively addressed recurring issues by thoroughly reviewing and investigating customer feedback and implementing forward-thinking solutions, effectively minimizing further disruptions in the field.

EDUCATION

Bachelor of Science, Electrical Engineering   August 2023 – April 2028
University of Cincinnati, Cincinnati, Ohio

- 3.99 GPA
- Relevant Coursework: Digital Design, Electronics I, Network Analysis, Signals and Systems, Semiconductor Devices, Engineer Design Thinking, Semiconductor Physics, Multivariable Calculus, and Differential Equations

Worthington Kilbourne High School, Columbus, Ohio   August 2019 – May 2023

- 4.0 GPA
- Relevant Coursework: AP Calculus BC, Digital Electronics, and Engineer Design and Development
- Achievements: Project Lead the Way, National Honor Society, and Academic Highest Honors

SKILLS & INTERESTS

Technology: IEEE, Python, C++, Arduino, SolidWorks, CAMI CableEye, Autodesk Inventor, AutoCAD, Multisim
Physical: Circuit design, Breadboarding, Soldering, 3D printing, and Woodworking

TECHNICAL PROJECTS

Carbon Sequestration Robot Prototype   August 2023 – December 2023
University of Cincinnati, Cincinnati, Ohio

- Performed role of lead engineer to design and execute final prototype build
- Iterated candidate designs to ensure project deliverables would meet or exceed all expectations
- Leveraged lateral thinking and troubleshooting abilities to diagnose and solve programming issues encountered by multiple project teams
- Managed project schedule among teammates, optimizing for successful delivery while accommodating external commitments