

I am most passionate about electrical systems, schematics, and renewable energy, aspiring to design impactful renewable energy systems that contribute to a sustainable future. Currently, I am focused on creating my own product designs and exploring game development, illustrating my wide range of interests in innovation and creativity within engineering.

Skills

- Circuit Design
- Blueprint Reading
- PLC programming
- Wiring schematics
- CAD Software
- Renewable energy systems

Education

Associate of Applied Science in
Electro-Mechanical Engineering
Cincinnati State Technical And
Community College, Cincinnati, OH | May
2024

- Cum Laude graduate - 3.66 GPA
- Dean's List Fall 2021
- Dean's List Fall 2022

Associate of Applied Science in
Electro-Mechanical Engineering -
Energy Major
Cincinnati State Technical And
Community College, Cincinnati, OH | May
2024

Certificate in Lasers
Cincinnati State Technical And
Community College, Cincinnati, OH | May
2024

Work History

May 2023 - Current

Tech Displays Specialist

Balluff Inc., Florence, KY

- Utilized SolidWorks to design detailed 3D models
- 3D printed custom parts to meet specific design requirements
- Wired and assembled electrical components for seamless integration of sensors
- Programmed Siemens TIA (PLC) and Node-Red to replicate real-world scenarios

January 2023 - May
2023

Electrician's Apprentice

Solgen Power, Florence, KY

- Ensured accuracy of schematics to facilitate proper installation
- Replaced outdated electrical panels with up-to-code wiring
- Procured necessary materials and components
- Assisted in the layout and installation of conduit for solar panel systems

August 2022 -
December 2022

R&D Technician Intern

Hy-Tek Intralogistics, Erlanger, KY

- Assisted in design of robotic systems
- Experience with MiR robots and a UR Robot arm, learning their functionalities
- Supported research and testing of new robotic technologies to improve automation efficiency

May 2022 - August
2022

EID Intern

GE Aerospace, Cincinnati, OH

- Conducted wear simulation tests on aircraft materials
- Measured and analyzed material thickness
- Assisted in diagnosing and troubleshooting custom-built machines