

Austin Driggs

Electronics Engineer austin26driggs@gmail.com (740) 297-9011 LinkedIn/GitHub: austindriggs

EDUCATION

Dual Electrical and Computer Engineering: West Virginia University Aug 2022 - May 2026

- Electrical Engineering (B.S.), Computer Engineering (B.S.), Minor: Computer Science. 3.9 GPA.
- Electronics Lead at WVU for Mars Society's University Rover Challenge (URC)

Electro-mechanical Engineering Technology (A.S.): Zane State College Aug 2020 - May 2022

- Attended full-time my junior and senior years of high school. Graduated Summa Cum Laude.

EXPERIENCE

Electronics Engineer/Tech: 4D Tech Solutions - Fairmont, WV May 2023 - Present

- Responsible for design/development of printed circuit boards (PCBs) in RedTail LiDAR systems.
- Assemble and test hundreds of both prototype and production PCBs.
- Adapt test setups for rapid development and prototyping, improving accuracy and efficiency.
- Develop test boards and write automated testing scripts/procedures for production PCBs.
- Created documentation for all LiDAR PCBs' designs, calculations, and change logs.

Electro-mechanical Engineering Intern: Quanex IGS - Cambridge, OH May 2022 - Aug 2022

- Designed PCB with microcontroller to read from PLCs to determine the accuracy and acceptance of the width of insulation being manufactured on tens of manufacturing lines in real time.
- Developed CRUD website to determine users' RFID permissions on manufacturing line.

Tier 1 Scholar: First2 Network - Morgantown, WV Aug 2023 - April 2024

- Assisted in bettering STEM education and success for rural, first-gen, and low-income students.

Soccer Trainer and Referee: Self-Employed - New Concord, OH April 2019 - Oct 2023

- Individually organized, planned, and ran multiple summer-long trainings for groups of dozens of students in my community to better their technical skills, IQ, and love for the game.

Skills: KiCad, PCB Design, PCB Assembly, PCB Testing, Soldering (SMD and through-hole), C, Python (basics/scripting), Git, Autodesk Inventor and AutoCAD, Passion and Leadership.

Certifications: Photovoltaic Installer (ETA), OSHA 10, Lean Six Sigma Yellow Belt, U.S. Soccer Referee, Laser Safety Training, Shop Safety Training.

HOBBIES

- Built a homelab with Network Attached Storage (NAS) and many locally running services.
- I enjoy playing adult/sunday league soccer, cooking, lifting/running, and snowboarding.
- Playing soccer at John Glenn High School, I made the All-Ohio team, was a 2-year captain, 4-year letterman, and 4-year Muskingum Valley Scholar Athlete.