

Austin Driggs

Electronics Engineer | austin26driggs@gmail.com | austindriggs.github.io

EDUCATION

West Virginia University Aug 2022 - May 2026

- Electrical Engineering (BS), Computer Engineering (BS), Computer Science (Minor). 3.9 GPA.

Zane State College Aug 2020 - May 2022

- Electro-mechanical Engineering Technology (AS). Summa Cum Laude. First-generation student.
 - I attended Zane State College full-time my junior and senior years at John Glenn High School.
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EXPERIENCE

Lead Electrical Engineer - WVU University Rover Challenge Aug 2025 - Present

- Lead and mentored a multidisciplinary robotics team to compete in Mars Society URC.
- Designed, assembled, and tested custom PCBs to control mission-critical sensors and electronics.

Electronics Engineer - 4D Tech Solutions 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 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 a CRUD web app to manage employees' RFID permissions on manufacturing lines.

Tier 1 Scholar - First2 Network 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/Volunteer 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, US Soccer Referee.

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.