

Evan M. Seabaugh

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Objective I am seeking a full-time opportunity in Electrical Engineering

Education Missouri University of Science and Technology (MST) May 2024
B.S. Electrical Engineering **GPA: 3.25**

Experience DE Design Works Chesterfield, MO
Electrical Engineering Intern **May 2023 – Aug 2023**

- Reverse engineered current metrology solutions on the market
- Designed a product and validation process for an experimental current sensor based on fluxgate technology with industry standard tools
- Oversaw the entire project and worked closely with a team of multi-disciplinary engineers
- Assembled and tested sensors with a Thermotron environmental test chamber

Hunter Engineering Bridgeton, MO
Electrical Engineering Co-op **Jan 2021 – Aug 2021**

- Designed automatic diagnostic and proprietary software update tool for local machines
- Created and tested new algorithm for Quick Check Drive product data gathering
- Designed a PCB to automate QA testing for Tire Change Revolution product line
- Prototyped new HDL module for camera gimbal controls on a Lattice FPGA

Missouri S&T Mars Rover Design Team Rolla, MO
Electrical Member **May 2019 – Aug 2024**

- Designed, revised, and validated custom motor driver and science sensor boards using KiCAD and Altium Designer
- Researched motor control, current metrology, and science sensor measurement methods.
- Performed SMD assembly, through hole assembly, and unit testing with my designed components

Activities First Robotics(FRC), Cyborg Cats Team 4256, Electric subteam member
Designing IOT garden control system
Researching and developing coil gun for capstone project

Computer Skills	C++	C	HTML/CSS
	JavaScript	Autodesk Inventor	KiCAD
	Altium Designer	MATLAB	Arduino
	Altera ModelSim	FEMM	SPICE