

Hunter Mace

<https://www.linkedin.com/in/hunter-mace/>

<http://www.huntermace.com>

School Address

609 E 12th St
Rolla, MO 65401

Contact Info

(920) 574-6329
hdm9yt@mst.edu

Objective	Passionate, organized, hardworking senior electrical & computer engineering dual major seeking to obtain a full-time position that leverages technical experience, leadership skills, and automotive experience.			
Education	Missouri University of Science and Technology B.S. Electrical Engineering, B.S. Computer Engineering			May 2021 GPA: 3.59/4.0
Coursework	Interference Control Digital Signal Processing Data Structures	Electronic Devices & Electronics Communication Networks Electromechanics	Digital Signal Processing Microcontrollers & Embedded Systems Real-Time Systems	
Experience	Formula Electric Design Team 2018 - Present Chief Electrical Engineer <ul style="list-style-type: none">● Researching and designing the accumulator system (accumulator management, HV charging, HV component selection).● Developed custom charging board to interface between the accumulator and charger.● Worked on, designed, and debugged the car's control board.● Designed a custom PCB with a TI microcontroller to obtain and reliably send pedal inputs using CAN.● Applied board analysis and debugging skills to resolve issues.			
	Chief Information Officer 2019 - 2020 <ul style="list-style-type: none">● Updated and curated team's wiki page for long-term storage.● Managed the team's GitHub and file management services.● Mentored new members through electrical projects.● Managed a portion of the team's public relations and budget.			
	PCB Design Engineer <ul style="list-style-type: none">● Designed and successfully created custom PCBs for use on the FSAE Electric car.● Utilized Eagle SPICE and MultiSim to verify circuit designs.● Used TI's HALCoGen and Code Composer Studio to program and flash TI microcontrollers.			
	Missouri S&T IEEE Student Branch 2020 - Present Skills Development Chair <ul style="list-style-type: none">● Designed and hosted skills development workshops to teach younger students how to use Arduino, MATLAB, and Eagle.● Hosted black box sessions to mentor students in solving circuits.			
Skills & Software	Eagle MATLAB Git	PSPICE TI CCS C/C++	CANbus MultiSim Leadership	HV PCB Design Analog Circuit Design Strong Communication