

## Hunter Mace

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

### School Address

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Rolla, MO 65401

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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>B.S. Electrical Engineering, B.S. Computer Engineering</b>			May 2021 <b>GPA: 3.59/4.0</b>	
Experience	Formula Electric Design Team <b>Chief Electrical Engineer</b>			2018 - Present	
	<ul style="list-style-type: none"><li>• Researching and designing the accumulator system (accumulator management, HV charging, HV component selection)</li><li>• Worked on, designed, and debugged the car's control board</li><li>• Designed a custom PCB with a TI microcontroller to obtain and reliably send pedal inputs using CAN</li><li>• Applied board analysis and debugging skills to resolve issues</li></ul>				
	<b>Chief Information Officer</b>			2019 - 2020	
	<ul style="list-style-type: none"><li>• Updated and curated team's wiki page for long-term storage</li><li>• Managed the team's GitHub and file management services</li><li>• Mentored new members through electrical projects</li><li>• Managed a portion of the team's public relations and budget</li></ul>				
	Innovation City <b>Software Engineer</b>			2020	
	<ul style="list-style-type: none"><li>• Worked on an LCD display for a high voltage battery system</li><li>• Researched low-cost alternatives to HMI displays</li><li>• Used NodeJS for backend of the LCD display server to allow remote access and control of the system</li><li>• Began looking into encryption to allow external connections</li></ul>				
	Missouri S&T IEEE Student Branch <b>Skills Development Chair</b>			2020 - Present	
	<ul style="list-style-type: none"><li>• Designed and hosted skills development workshops to teach younger students how to use Arduino, MATLAB, Eagle, etc.</li><li>• Hosted black box sessions to mentor students in solving circuits</li></ul>				
	Skills & Software	Eagle PSpice Strong Communication	Git Multisim Leadership	C/C++ Quartus Hand Soldering SMT	Python MATLAB Reflow Soldering
	Coursework	Interference Control Digital Signal Processing Data Structures	Electronic Devices & Electronics Communication Networks Electromechanics	Digital Signal Processing Microcontrollers & Embedded Systems Real-Time Systems	