270-586-1286		jgmalo01@louisville.edu Portfolio: <u>joemaloney.dev</u>	602 Ruggles Pl. Louisville, KY 40208
Education	Bachelor of Science in Electrical Engineering		Expected May 2026
	J.B. Speed School of Engineering		University of Louisville, KY
Skills	Schematic Capture Embedded Development PCB Testing/Troubleshooting		PCB Layout Workload Management Board Assembly/Rework
Work Experience	 Deveronce Crea Man platti Com stay Crea indu Olive Garden Cook, To-Go S Plan wee Man Hand Crea Cracker-Barre Server, Cook, Train 	Engineering Intern Louisville, KY Developed a deep understanding of AutoCAD, finding optimizations for our workflow and creating guides for company-wide implementation Managed project files, creating scripts for ingesting and normalizing CAD files from other platforms, greatly increasing the speed that clients can provide updates to our teams Communicated with clients in-person, via email, and over the phone to ensure our design stayed aligned with their needs Created electrical construction drawings with AutoCAD, researching electrical codes and industry best practices to produces quality, code-compliant designs den Italian Restaurant June 2023-Present	
Applied Experience	 Sche to re to re Used cont Trou upda ESP32 IoT Follows 	ematic Capture in Altium designer, imp educe PCB footprint d multi-board design features in Altium rol/power supply board, keyboard, and	d OLED display driver board Itimeter and oscilloscope to determine needed

- Utilized EAGLE for schematic capture and board layout
- Built google cloud backend (Typescript) and embedded application (C++) to fetch data, reducing the need for OTA updates when adding new features for users

Embedded Electrical Design

- Schematic capture and board layout of Spartan-7 FPGA development board
- Schematic capture and board layout of small (3cm X 4cm) thermocouple thermometer
- Schematic capture, board layout and assembly of high power (90W) PWM led driver
- Built relay-based exterior lighting controller for Christmas lights with Arduino
- Built LED matrix display clock, developed application code with Platform IO (C++)

Activities & Honors

Work 30 hours per week throughout college **Eagle Scout**