Joe Maloney

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Objective

First Electrical Engineering Co-Op learning experience, summer 2024

Education

Bachelor of Science in Electrical Engineering — Expected May 2026

J.B. Speed school of engineering — GPA: 2.99
University of Louisville, KY — Credits Earned: 49

Skills

Technical Skills
Altium Designer (With Cert.)
MCU Programming
Web Programming
Network Analysis I & Lab
PCB/Circuit Design

Personal Skills
Workload Management
COMMUNICATION
Consistency

Work Experience

Olive Garden Italian Restaurant — **June 2023-Present**
Cook, To-Go Server — *Louisville, KY*

- Plan and coordinate production and delivery of large orders weeks in advance
- Cook: Work on a non-English speaking team to assemble orders quickly and at high-volume
- To-Go Server: Deliver orders to guests' at residences and businesses
- Worked on team training employees during period of high turnover
- Handled cash and maintained accuracy

Cracker-Barrel Restaurant — **April 2020-June 2023**
Server, Cook, Dishwasher, Production Cook — *Louisville, KY & Franklin KY*

- Server: Took orders and attended to guests' immediate needs
- Cook: Rapidly Assembled orders in extreme volume
- Production Cook: Coordinated with grill team to keep stock of prepared food
- Dishwasher: Worked with team to supply restaurant with clean dishes

Lawncare — **May 2019-October 2021**

- Owned and operated lawncare business with co-owner
- Serviced 11 Lawns per week
- Solicited for and negotiated with customers
- Planned workweeks and workdays
- Collected payment and managed accounts
- Purchased and maintained equipment

Applied Experience

LED Matrix Display Clock

- Programmed bootloader and application using memory mapped configuration and I/O
- Used open-source toolchain for development

Internet Connected Follower/Subscriber counter

- Designed circuit and PCB with Altium Designer
- Assembled PCB and programmed MCU to interface with google cloud
- Programmed google cloud to configure MCU and fetch data for presentation on embedded device

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Christmas light controller
- Used MCU and relays to design and build 16 channel light controller
- Maintained safety with 120V in wet weather conditions

Logic Design Lab
- Programmed and troubleshooted FPGA for various tasks

PCB Design
- Designed Spartan-7 FPGA development board
- Designed Small (3cm X 4cm) thermocouple thermometer
- Designed and assembled high power (90W) PWM led driver
- Altium Education PCB design course Certificate

Activities & Honors

Work 25-30 hours per week
High school: FTC robotics – Robot design award
Eagle Scout