

# EARL RYAN PARKER

EarlRyanParker@gmail.com | 289-795-3814 | <https://earlyanparker.github.io/EarlRParker/>

## Education

---

### McMaster University

#### Bachelor of Electrical Engineering, CO-OP

Sept 2020 - Apr 2024

• **Courses:** Electrical Engineering, Logic Design, Electromagnetics, Circuits, and Systems, Electronic Devices, Object-Oriented Programming, Data Structures, Algorithms, Microprocessor Systems, and Integrated Engineering Design Projects

## Skills

---

### Engineering/CAD

Autodesk Inventor

Matlab

Quartus II

### Programming

HTML/CSS/JavaScript

Nodejs, Express, MongoDB

C++

SASS

### General

English & French

Microsoft Office

3D - Printing

Github

## Professional Experience

---

### VERN Solutions

#### Security System Installer

Aug 2021 - Sep 2021

- Planned security installations by surveying locations, laying out equipment, and reading electrical blueprints.
- Worked with team members to deliver project requirements, develop solutions, and meet Deadlines.

### No Frills

#### Grocery Department Supervisor

Apr 2018 - Aug 2020

- Distributed daily tasks to appropriate employees and ensured all duties were completed within expected time frames.

## Engineering Projects

---

### Surgical Instrument Sterilization Container

- Worked in teams to **design a system for securely transferring a surgical instrument to an autoclave for sterilization.**
- Skills applied **Computer-Aided Design, developing engineering drawings and principles of design**

### Microprocessor Systems Project (In Progress)

- Work in teams to design a microprocessing system to control a truck that is able to drive through a room, scan and produce a 3-D rendering of the room
- Introduced to the principles of **electrical engineering, microcontrollers, and circuit logic.**

## Projects

[illegible]

- Design a system for securely transferring a surgical instrument to an autoclave for sterilization.

- Using Autodesk inventor to create a 3D model and engineering drawing

- Developed a transportation container that can securely transfer surgical tools and is compatible with an autoclave sterilization device

- Develop a personal website to display information about myself, projects, and my skillset

- Using HTML/CSS/ JAVASCRIPT and VS CODE
- Applying UI Design principles

- Developed a website, which allows users to download my resume and send me emails

Link:  
<https://earlyryanparker.github.io/EarlRParker/>

