

# EARL RYAN PARKER

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

## Education

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### 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

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### Engineering/CAD

Autodesk Inventor

AutoCAD

Matlab

Revit

### Programming

HTML/CSS/JavaScript

Nodejs, Express, MongoDB

C++

Python

### General

English & French

Microsoft Office

3D - Printing

Github

## Professional Experience

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### 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

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### 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**

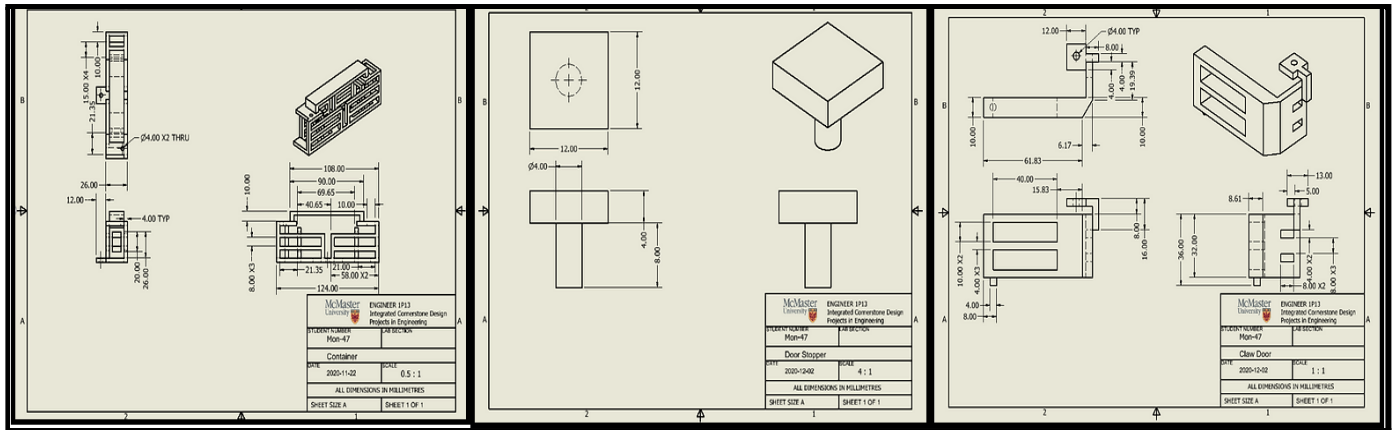
### Microprocessor Systems Project (In Progress)

- Work in teams to design a microprocessing system to control a remote control vehicle 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.**

# PORTFOLIO

## Projects

### Surgical Instrument Sterilization Container



#### What?

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

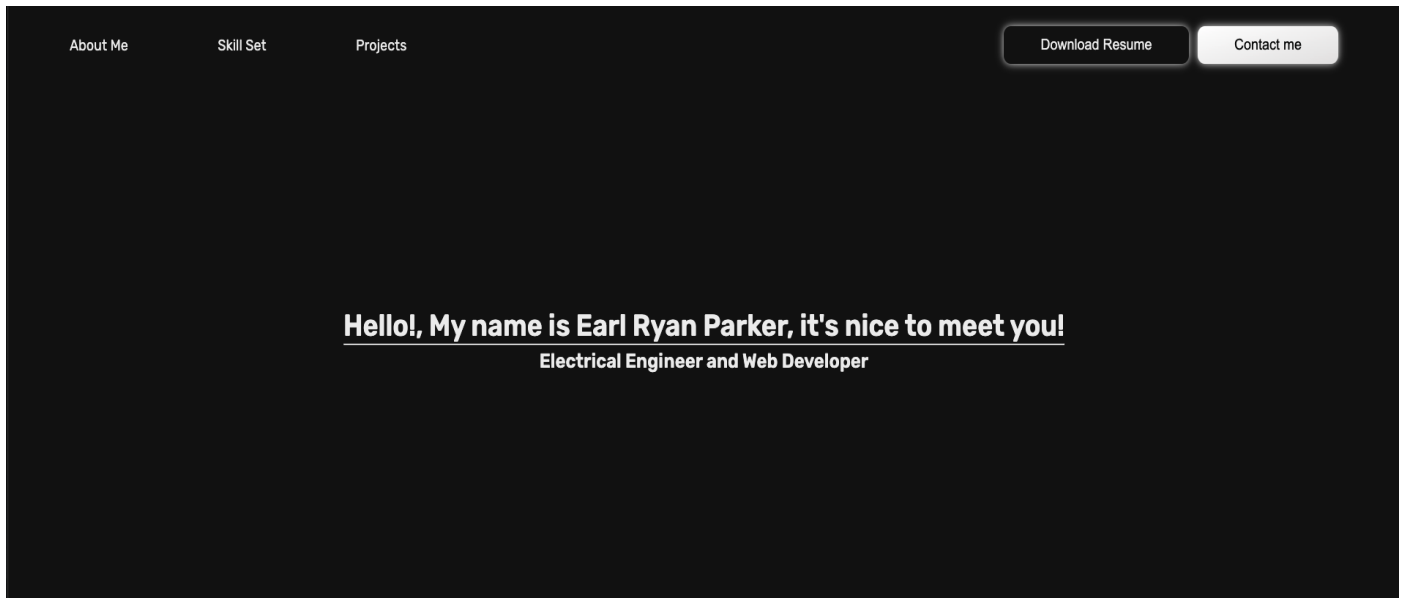
#### How?

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

#### Results

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

### Personal Website Front-End Development



#### What?

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

#### How?

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

#### Results

- Developed a website, which allows users to download my resume and send me emails Link:  
<https://earlryanparker.github.io/EarlRParker/>