EARL RYAN PARKER

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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

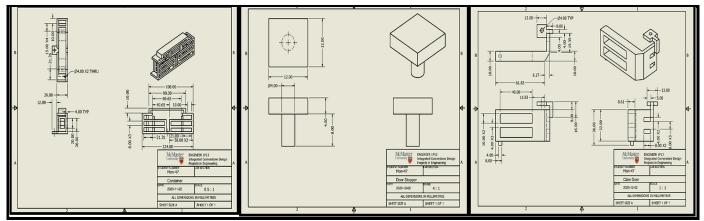
Microprocessor Systems Project (In Progress)

- 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**.

PORTFOLIO

Projects

Surgical Instrument Sterilization Container



What?

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

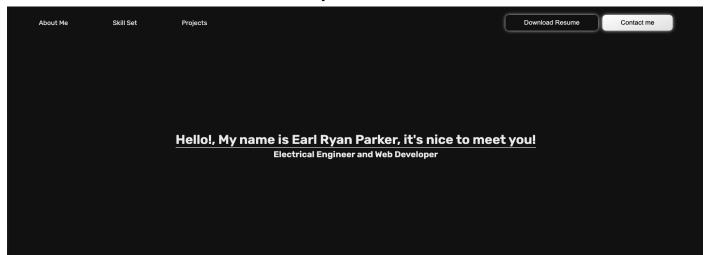
How?

 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 device

Personal Website Front-End Development



What?

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

How?

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

Results

 Developed a website, which allows users to download my resume and send me emails
 I ink:

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