

EARL RYAN PARKER

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Education

McMaster University

Bachelor of Electrical Engineering, CO-OP

Sept 2020 - Apr 2024

- **Courses:** Electronic Devices & Systems II, Electromagnetics II, Signal and Systems, Advanced Probability and Random Processes and Intermediate German I

Skills

Engineering/CAD

Autodesk Inventor

Matlab

LTSpice

Programming

Arduino

HTML/CSS/JavaScript

C++, C

Python

General

English, French & German

Microsoft Office(Excel, Outlook, Word)

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

Arduino Remote Controlled Car

- Worked in a team to **design a bluetooth remote controlled car with stepper motor controlled axle steering, rear-wheel drive, and bluetooth controller data transmission.**
- Skills applied **Arduino, C++, Autodesk Inventor, 3-D Printing**

Spatial Mapping Using Time-of-Flight Microcontroller System

- Worked independently to **design and build an embedded spatial measurement system** using a time-of-flight sensor to acquire information about the surrounding area
- Skills applied **C++, Python, Microcontroller programming, Keil and Microsoft Office**

Personal Website

- **Developed a personal CV website** using HTML/CSS/JavaScript where potential employers can view information about myself, download my resume, and contact me
- Skills applied **HTML/CSS/JavaScript**