



EDUCATION



RELATED SKILLS

McMaster University

Sep 2020 - Apr 2025

B.Eng, Computer Engineering (Co-op)

Cumulative GPA: 3.6 / 4.0

Tools and Technologies

Arduino, Azure, Bash, Express, Flask, Flutter, GCP, Git,
GraphQL, Keras, Linux, MongoDB, Node.js, OOP,
PostgreSQL, PyTorch, React, Selenium, Unity

Languages

Python, Javascript,
HTML, CSS, Java,
C#, C++



EXPERIENCE

Software Engineer Intern

at CheaprEats

Aug 2020 - May 2021

- Designed a Node.js server architecture to create an efficient GraphQL API for a Receipt Builder app **targeting 20+ food vendors**
- Wrote and optimized seeder scripts in Node.js to generate mock data for a MongoDB database
- Demonstrated consistent usage of agile methodologies through active communication with a small team

Backend Developer Intern

at Tech Under Twenty

Aug 2019 - Sep 2020

- Wrote, debugged, documented, and tested C# modules in the ASP.NET framework for TU20 Passport, an upcoming web app that **connects 800+ community members to local opportunities and events**
- Implemented user authentication with a PostgreSQL database
- Created a "developer mode" to temporarily bypass authentication, simplifying the testing process for others

Chess Club President

at White Oaks Secondary School

May 2019 - Jun 2020

- Organized tournaments with other clubs, marketing initiatives, and fundraisers to raise money for chess equipment
- Used Google Apps scripting language automate a spreadsheet that keep track of player statistics, games, and ratings
- Pursued passion for chess through leadership of the



PROJECTS

Resumatch

 **1st Place - Tech Takes on Unemployment Hackathon**

Connected the Adzuna API to a Flask/React web app that finds tailored jobs by using natural language processing AI on your resume's text. Simply upload your resume, and Resumatch will search Adzuna for jobs that suit your resume and qualifications.

<https://devpost.com/software/resumatch-co6bua>

CogniTalk

 **2nd Place - MasseyHacks VI**

Developed a Flask backend for a Svelte.js web app and implemented the Parselmouth library for speech analysis. CogniTalk asks job interview questions and records your voice to analyze your pronunciation, articulation rate, and speech duration in order to make suggestions for improving your communication skills.

<https://devpost.com/software/masseyhacks-2020>

Wavelength

An attachment for light switches that turns them into hands-free light switches to minimize surface contamination. Wavelength was built using an ultrasonic sensor and servo motor hooked up to an Arduino Uno.

<https://devpost.com/software/wavelength-make-any-light-switch-hands-free>