BORNA SADEGHI

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EDUCATION

McMaster University

Sep 2020 - Apr 2024

B.Eng, Software Engineering

RELATED SKILLS

Tools/Technologies

Azure, Arduino, Bash, Bootstrap, Express, Flask, Flutter, GCP, Git, GraphQL, Keras, MongoDB, Node.js, PostgreSQL, React, Unity

Programming Languages

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

ACHIEVEMENTS

Greenhat

🏆 **3rd Place - TU20 Cup 2020**

- Developed a Flutter app where users scan the barcode of a store item for info on its environmental impact
- Researched, planned, prototyped and pitched the **long-term project** to industry professionals

Medrics

🏆 **3rd Place - 2020 Mac Eng Competition**

- Developed a Javascript web app that calculates metrics on the COVID-19 pandemic with a world map interface, all **in an 8-hour period**

CCC 2019

🏆 **Honour Roll (Top 17%)**

- Applied knowledge of algorithms to efficiently solve computing problems

EXPERIENCE

Backend Developer Intern
Aug 2020 - Present

@ CheaprEats

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

Backend Developer Intern
Aug 2019 - Sep 2020

@ Tech Under Twenty

- 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
- Implemented user authentication with a PostgreSQL database
- Created a "developer mode" to simplify the testing process for others

Chapter Executive
Jun 2019 - Jun 2020

@ Tech Under Twenty

- Developed workshops and recorded podcast episodes on industry skills (e.g. machine learning, resume building) for **20+ weekly attendees**
- Managed marketing, outreach and curriculum of the chapter

PROJECTS

Resumatch

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

- A Flask/React web app that leverages the Adzuna API to find tailored jobs using NLP on your resume's text.

CogniTalk

🏆 **2nd Place - MasseyHacks VI**

- A Flask/Svelte.js web app that uses the Parselmouth library to analyze and give feedback on speaking skills.

Spooki Chess Engine

- A chess engine created in object-oriented Java, created using the minimax algorithm with alpha-beta pruning optimization.

Wavelength

- A hardware attachment for light switches that makes regular light switches hands-free to reduce surface transmission of illnesses.