

GABRIEL UPCOTT

2024 Software Development Graduate

@ gabrielcupcott@gmail.ca 289.684.8748 in linkedin/gabrielupcott gabrielupcott.dev

EXPERIENCES

Junior Developer (Part-time)

TV2 Consulting

November 2024 - Present

- Support applications with **hundreds of users** across the country.
- Work on **AI-driven** automated testing agents using Python to streamline and enhance testing processes.
- Maintain and implement new features for native Android TV applications, ensuring high performance and user satisfaction.
- Build and optimize market-facing websites using **Next.js** and **Vue.js**, focusing on scalability, responsiveness, and pixel-perfect modern designs.

Full Stack Developer (Intern)

MEDIC - iDeaWORKS - Mohawk College

January 2023 - August 2024

- Collaborated with small teams and independently to ship **three web-applications** from the **ground up** for clients in the digital health industry.
- Took part in **client meetings**, building relationships, demoing code, and presenting research to clients with varying degrees of technical knowledge.
- Integrated myself into an **agile workflow** and office culture and **collaborated** with coworkers on various projects.
- Utilized **GIT** version control with **Bitbucket**, working with **branches**, **pull requests**, and **on merge conflict** resolution to maintain change history cooperate with other developers.
- Enriched project **research and documentation** to improve clarity, understanding, and post-launch support.
- Worked **full-stack**, being solely responsible for implementing **AWS Cognito authentication** with Google Federated users into a **Python FastAPI** and React frontend.

PROJECTS

Grocery App – React Native Application with Typescript

Full Stack Developer - Capstone

2024

- Served as the **sole developer** throughout the project lifecycle, managing all aspects of the application development.
- Created a **cross-platform** grocery management app using **React Native**, enabling users to track pantry inventory, manage shopping lists, and locate nearby grocery stores.
- Integrated secure user authentication using **AWS Cognito**, **Python FastAPI** and Expo Secure Store.
- Developed a product **barcode scanning** feature using Expo Camera.
- Implemented a testing environment using **Jest** and **React Testing Library**, ensuring code reliability and functionality.

SKILLS

JavaScript

TypeScript

React

React Native

NextJS

HTML

CSS

C#

Agile

Unit Testing

GIT

Atlassian Suite

SQL

JSON

Python

Java

.NET

C++

PHP

EDUCATION

Software Development

Mohawk College

2021 - 2024

Honours Computer Science BASc

York University - Lassonde

2020 - 2021

RELEVANT COURSES

Client and Server Side Programming

2021/22 - Mohawk College

Used **HTML**, **CSS** and **Javascript** to design and build responsive websites and also create web servers which utilize **databases** and **REST APIs**

Data Structures and Algorithms

2023 - Mohawk College

Explored various **data structures** including **arrays**, **linked lists**, **hashmaps**, **trees** and more as well as applying **Big O** notation to quantify algorithmic time and space complexity

Intro to Intelligent Systems

2023 - Mohawk College

Construct prototype intelligent systems using state of the art Artificial Intelligence (AI) techniques. Explore rule-based and statistical approaches to AI utilizing Natural Language Processing (NLP). Trained and tested Machine Learning (ML) systems. Discussed recent developments in the growing fields of AI, NLP, and ML.