

NICOLAS UPCOTT

Third Year Software Development Student

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EXPERIENCES

eHealth Programmer/Analyst

MEDIC - iDeaWORKS - Mohawk College

January 2023 - August 2024

- Collaborated with small teams to ship one web-application from the **ground up** for and worked on another 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 **merge conflict** resolution to maintain change history cooperative with other developers.
- Migrated reusable **React components** from previous projects into a **Storybook component library** to ensure consistency of design and to **streamline** future development.
- Enriched project **research and documentation** to improve clarity, understanding, and post-launch support.
- Cooperated with **designers**, implementing front-ends exactly to **wireframes** and brand guidelines, ensuring client and user satisfaction.

Full-Stack Web Application

MEDIC - iDeaWORKS - Mohawk College

January 2023 - August 2023

- Built responsive front-end web components in **React** using **custom hooks**, **React Router** and **MaterialUI**, allowing healthcare professionals to digitally publish and view medical guidelines.
- Worked **full-stack**, being solely responsible for implementing **AWS Cognito** authentication with Google Federated users into a **Python FastAPI** and **React** frontend.

React Native Application with TypeScript

MEDIC - iDeaWORKS - Mohawk College

August 2023 - December 2023

- Developed a cross-platform **React Native** application with **TypeScript** using the **React Native Paper** component library, empowering caregivers to receive support from their communities.

PROJECTS

CrowdVision – React Native Application with Typescript

Lead Developer

2024

- Worked with a client to **scope**, **design**, and **develop** a React Native mobile application.
- Acted as the **lead developer for a team of 3**, guiding the development of the project.
- Implemented a **SQLite backend** to allow for local development and demoing prior the completion of the client's API.

SKILLS



EDUCATION

Software Development

Mohawk College

January 2021 - August 2024

Honours Computer Science BASc

York University - Lassonde

September 2020 - August 2021

RELEVANT COURSES

Client and Server Side Programming

January 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

January 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

January 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.