

# 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 **on merge conflict** resolution to maintain change history cooperate 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

JavaScript

TypeScript

React

React Native

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.