

## SKILLS SUMMARY

**Languages** JavaScript/TypeScript | Java | Python | HTML/CSS | React | SQL | C | C++ | MATLAB | Bash  
**Technologies** NextJS | Firebase | MongoDB | NodeJS | Docker | RESTFUL APIS | Google Cloud | Git

## EXPERIENCE

### Toronto Metropolitan University — Web Developer

MAY 2023 – APRIL 2024

- Developed a web application to unify the flow of information between divisions in the recreation department resulting in an annual cost savings of over **\$4800**.
- Created a feature to record metrics that collected over **2500** data points which the department used to target certain drop-in activities.
- Integrated **server-side rendering** to reduce client-side processing, **optimizing the performance** for users on slower devices, ensuring seamless accessibility to the application.

NextJS NodeJS TypeScript Firebase Vercel

### Toronto Metropolitan Robotics — Software Developer

SEPTEMBER 2022 – CURRENT

- Collaborated with project managers and designers in effort to translate requirements into software solutions.
- Spearheaded the development of a base station controller for the **University Rover Challenge (URC) 2023**. Leveraged web-socket technology to receive and process **real-time data and commands**.
- Designed and developed an application for efficient retrieval of extensive rock sample data, using the **binary search algorithm** to ensure quick and efficient results for users.

JavaScript Python ReactJS Web-Sockets C++

## PROJECTS

### Streamify - Youtube Watch Party Platform [🔗](#)

- Integrated the **YouTube API** as self-contained **video search feature**, enhancing content discovery and selection directly within the application.
- Utilized the **OpenAI API** to implemented **gpt-3.5-turbo** to provide **personalized video recommendations** based on users' viewing history, elevating their viewing experience with custom video suggestions.
- Employed **Redis** for efficient storage and management of real-time data related to active watch party rooms.

NextJS NodeJS TypeScript/JavaScript OpenAI GoogleAPIS Redis Docker Web-sockets

### SpotiFamily - Family Plan Manager [🔗 Website](#)

- Employed **Spotify OAuth API** to enable users to log in with their Spotify accounts, streamlining account management.
- Developed a custom payment reminder system, using **Firebase Functions and NodeMailer API**, **automated email payment notifications**, increasing on time payments by **60%**.
- Utilized **Firebase to store and manage** individual user profiles. Enabled users to access and view both their own data and that of others.

NextJS 13 TypeScript Spotify Node API Firebase

### Covidify - Covid-19 Data Receipts [🔗 Website](#)

- Created a front-end application to visualize COVID-19 data in the form of receipts using the **OpenCovid API**.
- Deployed** the application using Vercel hosting.

ReactJS JavaScript Vercel

## EDUCATION

BEng. Software Engineering – Toronto Metropolitan University | CGPA : 3.67

SEPTEMBER 2021 – MAY 2026