





TIMOTHY CHOY

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WORK EXPERIENCE

Software Engineer Intern @ IBM (Operations Support Systems)

September 2020 - August 2021 | Markham, ON

- Developed, maintained, and improved monitoring dashboards for tracking application consumption metrics for over 230 internal applications, making certain that every application's uptime was >99%
- Ensured application uptime through an on-call system, assisting services and providing technical solutions within minutes
- Responsible for the migration of monitoring software from NewRelic to Instana, allowing the team to efficiently transition between the technologies

Software Developer @ IBM (Area631 Startup Incubator)

May 2020 - September 2020 | Markham, ON

- Created a proof-of-concept prototype for an AI recommendation engine connected to IBM Cloud
- Designed and developed design documentation and software from scratch, that attached directly onto the IBM Cloud website
- Responsible for providing weekly deliverables and updates to stakeholders
- Successfully pitched the prototype to VPs of IBM, paving the way for a fully-functional tool for users of the IBM Cloud

Teaching Assistant @ McMaster University

January 2020 - April 2020 | Hamilton, ON

- Taught *Introduction to Software Development* through assignments and projects, focusing on topics such as requirements specifications, modularity and information hiding, verification and testing, and UML diagrams
- Responsible for grading and invigilating over 250 students

Software Engineer @ Passionfruit Inc.

April 2019 - August 2019 | Toronto, ON

- Designed and developed custom front end components for a mobile social media application using React Native
- Created a REST API facilitating queries between multiple services, such as Facebook's API

Education

McMaster University

2017 - 2023

Hamilton, Ontario

Deans' Honour List

Bachelor of Engineering,
Software Engineering and
Management (co-op)

Skills

Programming Languages

Python	Java
JavaScript	TypeScript
HTML	CSS
SQL	Golang
C	

Tools

Git	Shell
Docker	Kubernetes
ReactJS	NodeJS
NextJS	AWS

Projects

Project Sayyara

[\(NextJS, MySQL, Vercel\)](#)

Progressive web application connecting vehicle owners to independent auto repair shops. Offers features which include comparing shops and scheduling appointments.

Let's Hustle

[\(ReactJS, AWS EC2, AWS S3\)](#)

Web application that allows users to search for local gyms, and contribute through adding gyms and reviews.