

Jason Hu

☎ (416) 909-3633
✉ jason.h.7249@gmail.com

in [/hujason1](#)
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🎓 Education

University of Toronto

Candidate, Honours Bachelor of Science

➤ Specializing in the **Entrepreneurship Stream** of **Computer Science Co-op**

Sep 2018 – Present

Toronto, ON, Canada

🔧 Experience

Systems Software Development Student

BlackBerry, **Spark** team

May 2021 – Aug 2021

Waterloo, ON, Canada

Software Developer

OpenText, **Developer Experience** team

Jan 2020 – Aug 2020

Richmond Hill, ON, Canada

- Created a document management app to demonstrate OpenText's cloud content management APIs and services, using **React**, **TypeScript**, **Redux**, **Material-UI**, and **React Router**
- Reduced document CRUD operation time by implementing a centralized document tree state structure in **Redux** to manage global application state
- Created a **Python Tornado** dashboard app to display unit test results, using **D3.js** and **Bootstrap**
- Configured automated testing **Python script** to accommodate Windows VMs, using **PowerShell** and **Paramiko**

⚙️ Skills

Languages JavaScript/TypeScript, Python, Java, HTML, CSS, C

Libraries/Frameworks React, React Native, Express, Redux, Spring Boot, Material-UI, Bootstrap

Technologies Node.js, Git, MongoDB, Neo4j, GitHub, Jira

Methodologies REST APIs, microservices, NoSQL, Agile Scrum/Kanban, full stack development

🏠 Projects

Safer Strides – Crime heat mapper app

- A mobile app that displays a crime heat map over Toronto with real-time police reports scraped from Toronto Police Twitter, built with **React Native**
- Automated **web scraping** of police report tweets using UiPath's **Robotic Process Automation tool**
- Wrote a **Python script** to parse web scraped tweets into Python objects

Planit – Trip advisor app

- A full stack mobile app that generates vacation itineraries, built with **React Native**, **Redux**, **Spring Boot**, **MongoDB**, and **Google Maps API**
- Implemented itinerary manipulation such as adding and deleting specific events from the itinerary while shifting existing ones, as one of the main features
- Created **CRUD REST API** endpoints for itinerary information and filters, queried with **JSON**
- Followed the **Agile Scrum** development process while using **Jira** for project management

Spotify-lite – Backend microservices

- A backend for a music player service composed of two **REST API microservices**, built with **Spring Boot**
- Stored user info in a **MongoDB collection** and playlists in a **Neo4j graph** respectively
- Wrote **Cypher graph queries** for nodes up to three relationship depths away
- Used **Postman** for testing endpoint calls and microservice communication