

Jason Hu

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🎓 Education

University of Toronto

Candidate, Honours Bachelor of Science

Sep 2018 – Present

Toronto, ON, Canada

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

🔧 Experience

Software Developer

OpenText, **DevX** (Developer Experience) team

Jan 2020 – Sep 2020

Richmond Hill, ON, Canada

- Created a document management app built with **React**, **Redux**, **React Router**, **Material-UI**, and **TypeScript** to demonstrate OpenText's cloud content management APIs and services
- Reduced CRUD operation time by **40%** and codebase by **>500** lines by implementing a document tree data structure with **normalizr** in the **Redux** store to manage document tree 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, Java, Python, HTML, CSS, SQL, C

Libraries/Frameworks React, Redux, Node.js, Express, Spring Boot, Material-UI, Bootstrap

Technologies Git, MongoDB, Neo4j, Unix, Postman, JIRA, Trello, GitHub

Methodologies REST APIs, microservices, full stack development, NoSQL, Agile Scrum, version control

🏗️ Projects

Safer Strides – Crime heat mapper app

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

Planit – Trip advisor app

- A full stack mobile app built with **React Native**, **Java Spring Boot**, and **MongoDB** that generates vacation itineraries through **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 **Java 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