

# Jason Hu

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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

### Software Developer

OpenText, **DevX** (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**, **React Router**, **Material-UI**, and **TypeScript**
- > Reduced CRUD operation time by **40%** and codebase by **>500** lines by implementing a document tree data structure in the **Redux** store 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, SQL, C

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

**Technologies** Git, MongoDB, Neo4j, Unix, Postman, JIRA, 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