Jason Hu

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/HuIsJason
Portfolio

Education

University of Toronto Sep 2018 – Present
Candidate, Honours Bachelor of Science *Toronto, ON, Canada*

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

Experience

Software Developer Jan 2020 – Aug 2020
*OpenText, **DevX** (Developer Experience) team* *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**
- 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 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 **JSON** objects

Planit – Trip advisor app

- A full stack mobile app that generates vacation itineraries, built with **React Native**, **Java (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 **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