

JAKE CURRAN

Mathematics student at the University of Waterloo

☎ [OMITTED FOR WEB] ✉ jake@jakecurran.com in [LinkedIn](#) 🐙 [GitHub](#)

SUMMARY

- Passionate about designing programs and solving problems, and have done so using multiple paradigms, languages, and tools
- Experience with Java, JavaScript and many related frameworks, C/C++
- Have demonstrated strong performances under development roles in government, start-up, and business (specifically FinTech and InsurTech) environments

PROFESSIONAL EXPERIENCE

Empire Life

Web Developer

Sept. - Dec. 2018 | Toronto, Canada

‘Outstanding’ evaluation

- Leap started a new support initiative to reduce the number of phone calls received through the creation of a chatbot and knowledge base to provide 24/7 support for the most routine inquiries
- Created a chatbot frontend in React and backend in Node.js to implement business logic through use of Dialogflow as a NLP and Zendesk API for support platform integration
- Sought the centralization of support information in a knowledge base by developing a support page in React with a Firestore database and Algolia integration for full-text article search
- Prototyped a Python application to transcribe support calls and translate to english if in french using Google Cloud APIs, then store in an SQLite database and perform basic data analysis to inform support content priorities

Government of Canada

Backend Developer

Sept. - Dec. 2017 | Ottawa, Canada

NA (not official coop term)

- Developed a prototype concerning Hypermedia as the Engine of Application State (**HATEOAS**) to assess the prospects of a central server, using **Java** and the **Spring** framework, to combine functionality across hypermedia services
- Designed and implemented **relational database** using the Java Persistence API to support the application’s registering of services and operations.

Capco

Technology/Development Consultant

Jan. - Apr. 2017 | Toronto, Canada

‘Outstanding’ evaluation

- Developed and maintained features for a backend channels REST application in Java using the Spring framework, as part of an onboarding application for a major bank
- Collaborated with other co-op students on a financial, **machine learning** proof of concept; was responsible for developing the backend services in **Node** using **MongoDB**, and a frontend application for mobile using the **Ionic** framework with **AngularJS**.
- Achieved greater understanding of business practices and objectives through immersion in **FinTech** industry, and knowledge of the **Scrum** workflow in a business setting

SeamlessMD

Growth Data Analyst

May - Aug. 2016 | Toronto, Canada

‘Very Good’ evaluation

- Developed **JavaScript** scripts and data visualizations (including custom visualizations using **D3**) to operate on an internal REST API in JSON of patient activity data
- Developed scripts and platform improvements with the goal of providing client hospitals with actionable insights in regards to their surgery care process

Agriculture and Agri-Food Canada

SharePoint Analyst

May - Aug. 2015 | Ottawa, Canada

‘Outstanding’ evaluation

- Used **PowerShell** and its interfaces for the **SharePoint** environment to develop complex scripts to compose or update interactive reports concerning the status of various environments
- Developed scripts that used external resources, such as those served by a geocoder REST API, to execute actions on internal systems

EDUCATION

TECHNICAL SKILLS

Languages	Java, C/C++, JavaScript, Bash, PowerShell
Frameworks	Node, Ionic, Spring
Protocols & APIs	REST, JSON, XML
Tools	Git, GitHub, Make, Maven, SVN, Vim
Other	MongoDB, Unix/Linux, Windows, \LaTeX