

JAKE CURRAN

3B Computational Mathematics student at the University of Waterloo

📧 [OMITTED FOR WEB] ✉️ jake@jakecurran.com 🐙 GitHub in LinkedIn 🗝️ Keybase

SUMMARY

Languages: *Rust, Java, JavaScript, C/C++, Python, Bash*

Tools: *Git, GitHub, Make, Maven, SVN*

Frameworks & Libraries: *Express, React, Spring*

Other: *SQL, MongoDB, Linux, L^AT_EX*

- Passionate about *systems level languages* and *infrastructure development* (back end, native, cloud, SRE, etc.)
- Have demonstrated strong performances under development roles in business (FinTech, InsurTech), start-up, and government environments

PROFESSIONAL EXPERIENCE

Empire Life

Web Developer

Sept. - Dec. 2018 | Toronto

‘Outstanding’ evaluation

- Led a new support initiative to decrease support team load in developing a **chatbot** and knowledge base for the most routine inquiries
- Developed the chatbot and knowledge base frontends using the **React** framework, and implemented a **Node.js** chatbot backend with Google Cloud, Zendesk integration
- Prototyped a **Python** service to transcribe support calls into a **SQLite** database to perform basic analysis to inform support priorities

Communications Security Establishment

Backend Developer

Sept. - Dec. 2017 | Ottawa

NA (attained outside of coop program)

- Developed a prototype concerning 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

‘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.js** using **MongoDB**, and a frontend application for mobile using the **Ionic** framework with **AngularJS**

SeamlessMD

Growth Data Analyst

May - Aug. 2016 | Toronto

‘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

‘Outstanding’ evaluation

- Developed complex **PowerShell** scripts to interface with an internal SharePoint environment to either perform general operations or update visual status dashboards

EDUCATION

University of Waterloo

Candidate for Bachelor of Mathematics, Computational Mathematics Major

2020 | Waterloo, Canada