

JAKE CURRAN

3B Computational Mathematics student at the University of Waterloo

🔗 [OMITTED FOR WEB] ✉ jake@jakecurran.com 🌐 GitHub: jakecurran in LinkedIn: /in/jakecurran

SUMMARY

Languages: *Rust, Java, JavaScript, C/C++, Python, Bash* Tools: *Git, GitHub, Jira, Make, Maven, SVN*
Frameworks & Libraries: *Express, Spring, React* Other: *SQL, MongoDB, Docker, 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 *Sept. - Dec. 2018 | Toronto*
Full-stack Developer ‘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 front ends using the **React** framework, and implemented a **Node.js** chatbot back end with Google Cloud, Zendesk integration
- Prototyped a **Python** service to transcribe support calls into an **SQLite** database to perform basic analysis to inform support priorities

Communications Security Establishment *Sept. - Dec. 2017 | Ottawa*
Back-end Developer 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 a **relational database** using the Java Persistence API to support the application’s registering of services and operations

Capco *Jan. - Apr. 2017 | Toronto*
Technology/Development Consultant ‘Outstanding’ evaluation

- Developed and maintained features for a back-end 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 front-end application for mobile using the **Ionic** framework with **AngularJS**

SeamlessMD *May - Aug. 2016 | Toronto*
Growth Data Analyst ‘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 *May - Aug. 2015 | Ottawa*
SharePoint Analyst ‘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 *2020 | Waterloo, Canada*
Candidate for Bachelor of Mathematics, Computational Mathematics Major