

Samuel Kang

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EDUCATION

- **University of Waterloo** Waterloo, ON
Honours Bachelor of Mathematics, Statistics 2016 - 2021

EXPERIENCE

- **Amazon** Toronto, ON
Incoming Software Engineer Intern Jun 2021 - Aug 2021
- **Royal Bank of Canada** Toronto, ON
Software Developer - Amplify Program May 2020 - Aug 2020
 - Developed a web application using React, Node.js and MS SQL to provide internal cost transparency to business and finance executives
 - Collaborated with team members to design application architecture and data models
 - Pitched the solution directly to the CFO and other senior executives from across RBC
 - Won the award for “best internally focused solution” out of 18 teams
- **BlackBerry** Ottawa, ON
Software Development Intern Jan 2020 - Apr 2020
 - Automated OIDC and SAML configuration using Node.js and Cassandra (NoSQL) to enhance the internal user workflow experience
 - Designed and developed a new user configuration platform using Vue.js and Node.js
 - Built a CLI to enable global configuration of Docker images and containers for developer environments
- **Jonar** Montreal, QC
DevOps Intern May 2019 - Aug 2019
 - Coded Python scripts to automate internal tasks, reducing backlog management times by 50%
 - Deployed and upgraded live customer builds using Docker, Helm, Kubernetes, and Google Cloud Platform
 - Worked with product managers to create operational process flow for proprietary ERP software

PROJECTS

- **Spotify Quicklist** 🌐 React, Node.js, Spotify API
Quick and Dynamic Spotify Playlist Editor
 - Dynamically renders search results through input-triggered API calls
 - Updates users’ Spotify data through token authorized requests
- **NFL Top 100 API** 🌐 Django, PostgreSQL, Docker
REST API for the Top NFL Players of the Year
 - Deployed Django backend service and PostgreSQL database are used to store and update player data
 - Uses admin privileges to control access to endpoints and HTTP methods
- **TD Student Analyzer** 🌐 React, Flask
Student Spending Analysis Tool
 - Leverages TD Da Vinci API to provide spending analysis based on transaction history

SKILLS

- **Languages:** JavaScript, Python, Java, C++, HTML/CSS, SQL
- **Tools/Frameworks:** React, Vue.js, Node.js, Django, Flask, Docker