

# William Kuo

647-918-9232  
github.com/kuo-w  
william.k.kuo@gmail.com  
linkedin.com/in/william-kuo

## SKILLS

**Languages** Ruby, Python, Java, C, SQL, JavaScript, Golang, HTML, CSS, Bash

**Tools** Git, UNIX/Linux, Elasticsearch, AWS, GCP, Redis, Jenkins, Docker, Node.js

**Libraries/Frameworks** Rails, Vue.js, Django, React (+Native)

## EXPERIENCE

### Software Development Student — BlackBerry

Jan 2019 - Aug 2019

Waterloo, ON

- Developed for a Platform as a Service on the cloud infrastructure automation team to provide reporting and services to internal teams
- Created new features and APIs using Ruby on Rails for a RESTful microservice infrastructure
- Wrote integration tests for frontend and backend using RSpec and Capybara for automated CI/CD testing in Jenkins
- Constructed new reporting jobs to suggest budget optimization on compute instances and report unused assets
- Optimized Elasticsearch query aggregations, filters, and pagination for faster results on loading reports and running reporting jobs

### Full-Stack Web Developer — Shopper Army

May 2018 - Dec 2018

Toronto, ON

- Developed new features and user flows using Django Python and Vue.js
- Created a modularized emailing system by implementing the template method pattern and builder pattern allowing reduced email campaign turnover times
- Built new admin dashboards, controls, and processes to allow greater autonomy for management and developers to resolve business decisions
- Integrated Webpack with compression to reduce web page file sizes by over 70%

### Full-Stack Software Developer — Partech Inc.

May 2017 - April 2018

Markham, ON

- Built upon a RESTful web client using the Dropwizard Java Framework and AngularJS
- Implemented a clientless remote desktop gateway to virtual desktops using Apache Guacamole on AWS EC2 servers
- Implemented an automated front-end testing suite using Karma and Protractor
- Maintained web hosting and automated builds using Jenkins, Docker, and AWS

## PROJECTS

### Queue Scraper—Google Cloud Functions, Python, Node.js

July 2018

- Published a Cron to scrape order number on a store page using a serverless cloud function

### Journal App — React Native

June 2018

- Developed a multi-screen journal application with gesture support

## EDUCATION

### Ryerson University — Bsc. Computer Science, Co-op

Sept. 2015 - Present

GPA: 3.72 / 4.33 - Dean's List

Expected Graduation April 2020