

# Taewan Kang

## Software Developer


Motivated and independent developer with the ability to grasp new concepts quickly. Passionate about learning new technologies and developing awesome software!

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## WORK EXPERIENCE

### Full-stack Web Developer

Treasury Board of Canada Secretariat

May 2019 – Present

Ottawa, ON

- Contributed to front-end for data visualizations and info-graphics of different financial, HR data (React, JS ES6, d3, Nivo, Bootstrap and SASS)
- Created GraphQL APIs in Node.js backend driven by MongoDB
- 2-Factor authentication with Django on separate data collecting project
- Accessibility and full bilingual design (Handlebars.js, YAML)
- Demonstrated snapshot and unit tests for back-end (Jest)

### System Performance and Stability Engineer

Ford Motor Company of Canada

May 2018 – Aug 2018 (4 mos.)

Ottawa, ON

- Worked on Client-to-Server, performance and stability test automation architecture in Python
- Familiarity with Linux (QNX) environment and commands
- MySQL to query & store test data
- Various different test frameworks (Squish, Slash)
- Hands-on Agile Scrum methodology and Git workflow (Git, JIRA)

### ETL and Database Developer

House of Commons

Sep 2017 – Dec 2017 (4 mos.)

Ottawa, ON

- Designed complex Budget managing Excel spreadsheet (VBA)
- Microsoft SQL & T-SQL queries with SSIS for data migration process, as well as automated SSRS
- Version control and fully automated deployment process with TFS

### Python Developer

Environment and Climate Change Canada (ECCC)

Jan 2017 – Apr 2017

Jan 2019 – Apr 2019 (8 mos.)

Ottawa, ON

- Developed GUI desktop application for managing water survey data & automated report application (wxPython)
- Strong data visualization & data manipulation in Python (Pandas, Matplotlib)
- Parsing/Creating XML, XSMML, XSL files to manage state of application and to create PDFs of water survey report
- Use of REST and SOAP APIs for Aquarius database query

## EDUCATION

### Software Engineering, Management and Entrepreneurship Option

University of Ottawa

Sep 2015 – Apr 2020

## TECHNICAL SKILLS

### Web Development

React.js Javascript HTML5 CSS

Bootstrap Angular 8 Jest

MongoDB Node.js GraphQL

### Mobile Development

React-native Android Studio

### Other Software Technologies

Python Java SQL C++ Git

## PROJECTS

### CoronaNOW Canada

(Mar 2020 – Present)

- Built Canadian COVID-19 data visualizations, can be found at [coronanow.ca](https://coronanow.ca) (React, Gatsby, d3.js, Netlify, Node.js)

### Personal website

(Nov 2019)

- Demonstrated different typography animations, can be found at [taewankang.com](https://taewankang.com) (React, Netlify, anime.js)

### Servus

(Apr 2019 – Dec 2019)

- Developed mobile application for booking and offering different types of residential services (React-native, Jest, Circle CI, Google Maps API, NodeJS, Express.js, RESTful API)

### Online Property Rental Service

(Oct 2018 – Dec 2018)

- Developed web application for managing online property rentals (Angular 8, Firebase, TypeScript)