

# Rachel Wong

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## Skills

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<b>Languages</b>	JavaScript, Typescript, Python, C, C++, Go, Java
<b>Web Tooling</b>	React, AngularJS, Express.js
<b>Developer Tools</b>	Bash, Git, Github, Jira, SVN, CircleCI, Firebase, Nginx, Docker
<b>Data Management</b>	Apache Airflow, Hadoop, Hive, Spark, MySQL, MongoDB
<b>Infra Tools</b>	AWS, Redis, GCP

## Experience

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### Scotiabank

ANALYTICS ENGINEER

Sept. 2020 - Dec. 2020

- Integrated new pipelines for unmonitored daily balance using **Hadoop**, **Hive** and **Spark** to ensure data accuracy
- Maintained pipeline with **Apache Airflow** which processes daily balance data across the bank to generate overview for executives
- Developed solely and deployed internal portal to execute trend predictions for business users to make informed decisions with **React**, **Redux**, **Typescript** and **Nginx**

### Flybits Inc.

FRONTEND DEVELOPER

Jan. 2020 - May. 2020

- Developed React UI library to standardize design across all web applications and maximize reuse of components
- Migrated Single Sign On page from Ember.js to React, Typescript and UI library to minimize technical debt
- Developed proxy service in **Go** to minimize attack vectors
- Set up **unit tests** in the UI library with Enzyme and Jest to achieve 100% code coverage

### OANDA (Canada) Corporation ULC

WEB APPLICATIONS DEVELOPER

May. 2019 - Aug. 2019

- Developed new registration page with tight deadline using React, Typescript, implemented with Material-UI, JsonForms, resulting in a **10%** conversion boost
- Maintained the current registration page supporting **1K+** active user base using AngularJS, **Python**
- Wrote unit tests for front-end components using Enzyme, Karma, Protractor, Jest

## Extracurriculars

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### Global Spark

DIRECTOR OF LOGISTICS

May. 2021 - Present

- Liaise with BCG and Global Spark Marketing and Digital Team to plan for Hack The Globe 2022
- Act as Hack The Globe's primary communications representative with hackers before, during, and after the event, ensuring the best possible hacker experience

### Global Spark

FULL STACK DEVELOPER

Sept. 2020 - May. 2021

- Developed and maintained a web portal for **900+** Hack the Globe applicants using React and **Firebase**
- Maintained Global Spark's React website with **7,100+** impressions and **40%** average CTR

### Library Checkout System

ECE 356 COURSE PROJECT

- Developed a frontend application for Database Systems course that allows users to check out books and search for books in the library and admin to manage users using React, Typescript, Bootstrap
- Implemented RESTful backend service that communicates with the database using Python, **Flask**
- Cleaned, joined and normalized **100M+** rows of data from 2 unrelated Kaggle datasets by writing **MySQL** scripts for further data analysis
- Used **Pandas**, **scikit-learn** and kneed libraries to perform cluster analysis to classify data into different sets

## Education

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**B. ASc. in Computer Engineering, Honours, Co-op | University of Waterloo**

(Expected) 2017 - 2022