Rachel Wong

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Skills

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

Experience

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

Global Spark
DIRECTOR OF EXTERNAL 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

B. ASc. in Computer Engineering, Honours, Co-op | University of Waterloo   *(Expected) 2017 - 2022*