Rachel Wong

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Skills

Languages	JavaScript, Typescript, Python, C, C++, Go, Java
Web Tooling	React, Redux, 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 **Airflow** which processes daily balance data across the bank every day 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
- Setup 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**

Royal Bank of Canada (RBC)
QUALITY ENGINEER AT DIGITAL SOLUTIONS GROUP *Sep. 2018 - Dec. 2018*

- Automated repetitive manual regression tests on RBC's Rewards **AngularJS** webpage using **Java** with **Selenium** and **TestNG** allowing for more efficient workflow

Extracurriculars

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

- 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
- Wrote unit tests for both frontend application and backend services using **Jest**, **Enzyme** and **Pytest**

Education

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