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*