Rachel Wong

3B COMPUTER ENGINEERING · UNIVERSITY OF WATERLOO

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Skills

Languages	JavaScript, Typescript, C, C++, Go, Java, Python, HTML5/CSS3, SQL
Web Tooling	React, Redux, Material-UI, AngularJS, JsonForms
Developer Tools	Git, Github, Jira, SVN, CircleCI
Data Management	Apache Airflow, Hadoop, Hive, Spark, Tableau, MySQL, Oracle, MongoDB, AWS RDS, Informatica Cloud

Employment

Scotiabank *Toronto, Ontario*
ANALYTICS ENGINEER *Sept. 2020 - Present*

- Integrated new pipelines for unmonitored daily balance using **Hadoop**, **Hive** and **Spark**
- Maintained pipeline with **airflow** which processes **1TB** daily balance data across the bank every day
- Developed and refined visual analytics for monthly balance sheet via **Tableau** to create a more efficient monitoring process
- Setup internal dashboard and calculator for data modelling in **React** to connect to backend

Flybits Inc. *Toronto, Ontario*
FRONTEND DEVELOPER *Jan. 2020 - May. 2020*

- Developed **JavaScript** UI library in **React** to be used across all React applications in Flybits
- Migrated Single Sign On page to **React**, **Typescript** and UI library
- Setup unit tests in the UI library to achieve **100%** code coverage
- Developed proxy service in **Go** to minimize phishing attacks by **50%**

OANDA (Canada) Corporation ULC *Toronto, Ontario*
WEB APPLICATIONS DEVELOPER *May. 2019 - Aug. 2019*

- Developed new registration page with tight deadline using **React**, **Typescript**, implemented with **Material-UI**, **JsonForms**
- Maintained the current registration page supporting active user base using **AngularJS**, **Python**
- Wrote unit tests for front-end components using **Enzyme**, **Karma**, **Protractor**, **Jest**

Royal Bank of Canada (RBC) *Toronto, Ontario*
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
- Wrote over **500+** test cases to validate **REST API** request functions with **SmartBear SoapUI**
- Performed **1000+** manual tests on RBC's Rewards webpages and mobile app to ensure responsiveness and compatibility with several types of devices and browsers

Allstream Inc. *Markham, Ontario*
IT INTERN *Jan. 2018 - Apr. 2018*

- Performed disaster recovery for **Salesforce DB** and Remedy data to **Amazon RDS** via ETL tool, such as **Talend Open Studio** and **Informatica Cloud**
- Updated over **500,000 Salesforce DB** records using **Java** and deploying new rules to production to ensure flawless CRM experience
- Built a pipeline to verify over **1,000,000** incorrect address in the product database with **Java** by leveraging **Google Maps API**

Projects

Sheltered

- Prototyped an app that directs people to homeless shelters during Hack the Valley IV using **React Native**
- Implemented backend with **Node.js**, **MongoDB** and **Google Maps API**