

# Rachel Wong



hello@rachelwonghw.com



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## Education

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

(Expected) 2017 - 2022

## Skills

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- **Languages:** JavaScript, Typescript, Python, Golang, C++, Java
- **Frameworks and Libraries:** React, AngularJS, Express.js, Node.js, Flask
- **Data Management:** Apache Airflow, Hadoop, Hive, Spark, Kafka, MySQL, MongoDB
- **Tools:** AWS Lambda, AWS ECS, Firebase, Docker, Git, CircleCI

## Experience

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### Connected

**Toronto, ON**

*Software Engineer Intern*

*Sept. 2021 - Present*

- Developed data management system using **Python**, AWS and computer vision for scientists to conduct research
- Led investigation into alternative deployment to reduce operation cost to meet client budget

### Scotiabank

**Toronto, ON**

*Analytics Engineer Intern*

*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.

**Toronto, ON**

*Frontend Developer Intern*

*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

**Toronto, ON**

*Web Applications Developer Intern*

*May. 2019 - Aug. 2019*

- Developed new registration page with tight deadline using React, Typescript, 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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### Blamechain

*Hack The North 2021*

- Placed as a finalist amongst 3000+ participants
- Developed an app using React, GCP cloud functions, sentiment analysis and speech-to-text transcription that saves arguments onto the blockchain, and use analytics to determine who's really at fault

### Carma

*Hack The Six 2021*

- Won "Best Use of Google Cloud" and "Intact Innovation Challenge"
- Developed an app using React, Firebase, Firestore, AutoML and TensorflowJS that tests drivers' sobriety in exchange for lowering auto insurance rates for sober drivers