Rachel Wong

✉ rachel.wong@uwaterloo.ca 🏠 rachelwonghw.com rachelwonghw in rachelwonghw

EDUCATION

University of Waterloo | B. ASc. in Computer Engineering   **2017-2022**

SKILLS

Languages: JavaScript, Typescript, Python, Go, C++, Java
Frameworks and Libraries: React, AngularJS, Express.js, Node.js, Flask
Data Management: Hadoop, Hive, Spark, Kafka, MySQL, MongoDB, DynamoDB
Tools: AWS Lambda, AWS ECS, AWS S3, Firebase, Docker, Git, CircleCI

EXPERIENCE

Connected | Software Engineer Intern   **Sep. 2021 - Present**
• Developed event-driven data management system using Python, AWS Lambda, S3, DynamoDB and SQS
• Architected systems for optimization cloud compute costs: **reduced AWS spending by 75%**

Scotiabank | Analytics Engineer Intern   **Sep. 2020 - Dec. 2020**
• Increased security of unmonitored product balance sheets by integrating into existing monitoring pipeline
• Maintained pipeline which processes daily balance data across the bank to generate overview for executives
• Independently developed 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 Intern   **Jan. 2020 - May. 2020**
• Developed **React UI library** to standardize design across all web applications
• 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 | Web Applications Developer Intern   **May. 2019 - Aug. 2019**
• Implemented redesigned registration page under 2 months using React, Typescript, **resulting in a 10% customer 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 to **ensure mobile responsiveness and usability**

RBC | Quality Engineer Intern   **Sep. 2018 - Dec. 2018**
• Automated repetitive manual regression tests on RBC's Rewards AngularJS web page 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

Allstream Inc. | IT Intern   **Jan. 2018 - Apr. 2018**
• Performed disaster recovery for Salesforce CRM by migrating data to Amazon RDS via ETL tool
• Updated over 500,000 Salesforce CRM records using Java and deploying new rules to production to ensure a flawless CRM experience

AWARDS

Finalist out of 3000+ participants | Hack The North, Canada's largest hackathon   **Sep. 2021**
Best Use of Google Cloud & Intact Insurance Innovation Award | Hack The 6ix   **Aug. 2021**