Rachel Wong

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EDUCATION

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

SKILLS

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

EXPERIENCE

Amazon | Software Development Engineer   **Sep. 2022 - Jan. 2023**
- Integrated Venmo with Amazon Prime from frontend CX to backend information interaction with Paypal to improve millions of customer experience
- Completed 8+ end-to-end tests to ensure operational readiness, detected **2+ critical launch blockers**
- Communicated with 3+ teams to root cause and fix 1 critical issue with bias of action to unlock 1 product launch 3 weeks prior to launch date
- Automated the integration tests for new SPI to replace manual testing and prevent regressions

Connected | Software Engineer Intern   **Sep. 2021 - Dec. 2021**
- 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 50%**
- Developed containerization of all serverless applications for **10x better runtime performance** with Docker
- Implemented audio transcription, recording 10TB of data over 3 years via GCP Speech-To-Text Recognition, AWS Lambda, and S3

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
- Led the development of a trend predictions portal built with React/Redux

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**