

# Jeffrey Wang

software developer. systems engineer.

✉ [j699wang@uwaterloo.ca](mailto:j699wang@uwaterloo.ca)

🔑 [jeffwang13.github.io](https://github.com/jeffwang13)

🌐 [linkedin.com/in/jeffreywang13](https://www.linkedin.com/in/jeffreywang13)

## EXPERIENCE

### Software Engineer @ Wealthsimple Toronto, Jan – Apr 2018

[Ruby on Rails](#), [Python](#), [GraphQL](#), [Angular](#), [PostgreSQL](#)

- Delivered beta personalized financial advice to 60,000+ clients by developing an advice page with a client data parsing and evaluation system across multiple microservices
- Saved over 4 hours of daily work for the Ops team by architecting a file processor to automate securities trade confirmations and newborn education savings outreach
- Optimized customer service by writing bots to prioritize client requests using sentiment analysis, and fire Sidekiq jobs to reply with answers to common inquiries
- Increased investment research team efficiency by refactoring critical Python algorithms used daily

### Software Engineer @ TribalScale Toronto, May – Aug 2017

[Ruby on Rails](#), [React](#), [Swift 3](#), [Node.js](#), [PostgreSQL](#)

- Reduced latency of Allocations Rails backend by over 50% by implementing delayed jobs, optimizing ActiveRecord queries, and strategically caching
- Enriched official NBA Alexa voice app by developing 6 new commands to tell users information about the Finals
- Built synchronizing flight attendant and passenger iOS apps from scratch for in-flight purchases

### Software Engineer @ Flipp

Toronto, Sept – Dec 2016

[Ruby on Rails](#), [AWS](#), [PostgreSQL](#)

- Enhanced and maintained Flyer Admin Ruby on Rails application, used to create over 200,000 digital flyers for 300+ retailers as of 2016
- Integrated over 10 new merchants into the backend system, adding 80000+ items to all Flipp products like the popular iOS app

### Technical Systems Analyst @ RBC

Toronto, Jan – Apr 2016

[C#](#), [.NET](#), [JavaScript](#), [Powershell](#), [IBM TSO/ISPF](#)

- Drove innovation by using IBM Bluemix to develop mySomeday, a cloud application that optimizes customers' monthly budgeting
- Improved efficiency for the entire RBC Lifesuite team by developing a script that fully automates deployments

## TECHNICAL SKILLS

Ruby	Rails/RSpec
Python	PostgreSQL
Java	React/Redux
C++	Angular
JavaScript	ES6

## PROJECTS

### Oinx 2018

[Ruby on Rails](#), [JavaScript](#)

- Built budgeting app to help Gen Z reach their goals by visualizing and saving towards their wish list

### BoardScribe 2016

[Python](#), [Django](#), [Tesseract.js](#)

- Developed app that transcribes blackboard notes from a photo and facilitates classroom collaboration

### TrakRecord 2016

[Java](#), [Android Studio](#), [Estimote SDK](#)

- Created an Android app designed as a companion for walkathons
- Won \$20K in support from the WearHacks SickKids Challenge

### Plan-It 2016

[Java Swing](#), [Adobe Illustrator](#)

- Designed and developed a Java one-button planet building game for a 3-storey tall screen

### Goldman Hacks 2016

[Java](#), [TCP/IP](#)

- Made a bot to trade stocks and bonds against other bots on the market at Jane Street ETH1

## EDUCATION

### University of Waterloo

- BSc in Systems Design Engineering
- 2015-2020 (expected)

## INTERESTS

🏒 Hockey, basketball, ping pong

🎵 Music (hip-hop, EDM)