

# Jeffrey Wang

software developer. systems engineer.

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## EXPERIENCE

**Software Engineer @ Credit Karma** Sep 2018 - Present  
San Francisco // [Scala](#), [PHP](#), [React.js](#), [Node.js](#), [Docker](#)

- Improved scalability of Credit Karma product by refactoring 27 email types to be compatible with multiple languages, and moving common functionality into a parent class
- Drove informed business decisions by developing page view tracking in key onboarding and product flows using React/PHP
- Updated registration flow and tracking in Canada app to introduce the French locale, and wrote new unit tests

**Software Engineer @ Wealthsimple** Jan – Apr 2018  
Toronto // [Ruby on Rails](#), [Python](#), [GraphQL](#), [React](#), [PostgreSQL](#)

- Delivered beta personalized financial advice to 60,000+ clients by developing an advice page with a client data ingestion 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 settlement system 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

**Software Engineer @ TribalScale** May – Aug 2017  
Toronto // [Ruby on Rails](#), [React.js](#), [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 app by developing 6 new voice commands to tell users information about the Finals
- Built synchronized flight attendant and passenger iOS apps from scratch for making in-flight purchases

**Software Engineer @ Flipp** Sep – Dec 2016  
Toronto // [Ruby on Rails](#), [AWS](#), [PostgreSQL](#)

- Enhanced and maintained Flyer Admin Ruby on Rails application, used to create over 200,000 digital flyers for 300+ merchants as of 2016
- Integrated over 10 new merchants' data pipelines into the backend system, adding 80,000+ items to all Flipp products like the popular iOS and Android apps

## TECHNICAL SKILLS

Ruby  
Python

PHP

C++

JavaScript ES6

Rails/RSpec

PostgreSQL

React/Redux

Docker

Java

## 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 a simulated 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)