

Jeffrey Wang

Systems Design Engineering

(647) 929-2870
✉ j699wang@uwaterloo.ca
🔗 jeffwang13.github.io
📄 github.com/jeffwang13

*A passionate developer adept at **Java** and **Ruby**, always striving for the best solution to a problem*

MAY 2017 to AUGUST 2017

AGILE SOFTWARE ENGINEER | TRIBALSCALE, TORONTO, ON
Ruby on Rails, React.js, Redux.js, Swift 3, PostgreSQL, Node.js (Alexa)

- Improved 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 user information about the Finals
- Built synchronizing flight attendant and passenger iOS apps from scratch for in-flight purchases
- Designed and implemented RESTful API endpoints for the new Allocations Android and iOS apps using Rails

SEPTEMBER 2016 to DECEMBER 2016

SOFTWARE ENGINEER | FLIPP, TORONTO, ON
Ruby on Rails, AWS, PostgreSQL

- Developed 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 back-end system, adding 80000+ products to all Flipp products like the popular iOS app
- Enhanced consumer shopping experience by aggregating data from merchant APIs/websites for unique in-flyer details and interactions

MAY 2016 to SEPTEMBER 2016

APPLICATION DEVELOPER INTERN | COSSETTE, TORONTO, ON
Java, Android Studio, Estimote SDK

- Created iOS/Android app prototype to augment participant experience and interaction at SickKids Hospital Charity Marathons
- Integrated wayfinding using Estimote beacons to help users pinpoint their location

JANUARY 2016 to APRIL 2016

TECHNICAL SYSTEMS ANALYST | RBC, TORONTO, ON
C#, .NET, JavaScript, Powershell, IBM TSO/ISPF, IBM Bluemix

- 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 Powershell script that fully automates deployments

PROJECTS

LyricCat (Node.js, Express.js, Graph API)

- Musical Facebook chatbot that tells you the lyrics of a song given its name/artist

BoardScribe (Python, Django, Tesseract.js)

- Django web app that transcribes blackboard notes from a photo and facilitates class collaboration

See more at: jeffwang13.github.io/projects

TECHNICAL SKILLS

Languages

- Java
- Ruby
- Swift 3
- JavaScript ES6

Frameworks

- Rails
- React.js/Redux.js
- PostgreSQL
- Node.js

HACKATHONS AND AWARDS

WearHacks SickKids Challenge 1st Place

- Created TrakRecord, an Android app designed as a companion for walkathons
- Won \$20K in support for further development with prototype

Accelerator Centre Design Camp 3rd Place

- Wrote Plan-It, a Java one-button planet building game designed for large format Christie screens

Jane Street ETH1 7th Place

- Developed a trading bot to trade stocks and bonds against other bots in a simulated marketplace

EDUCATION

University of Waterloo 2015-2020

- BSc in Systems Design Engineering
- President's Scholarship, 3.5 GPA, 2270 SAT

INTERESTS

- Hockey, basketball, ultimate frisbee
- Listening to music (hip-hop, EDM)
- Former Chinese U20 hockey goalie