Jeffrey Wang
Systems Design Engineering

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A passionate full-stack developer always striving for the best solution to a problem

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JANUARY 2018 to APRIL 2018

SOFTWARE ENGINEER | WEALTHSIMPLE, TORONTO, ON
Ruby on Rails, GraphQL, Python, React, Angular, PostgreSQL

- Delivered personalized advice to 60,000+ clients by developing an advice page with a backend data parsing and evaluation system across multiple microservices
- Saved over 4 hours of daily work for the Ops team by designing and building a file processor to automate CDS trade confirmations and newborn RESP outreach
- Improved speed of customer service by writing bots to parse incoming Zendesk tickets and fire Sidekiq jobs to reply to clients with an answer to their inquiry
- Increased investment research team efficiency by refactoring critical Python algorithms used daily

MAY 2017 to AUGUST 2017

AGILE SOFTWARE ENGINEER | TRIBALSCALE, TORONTO, ON
Ruby on Rails, React, Redux, 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

SEPTEMBER 2016 to DECEMBER 2016

SOFTWARE ENGINEER | FLIPP, TORONTO, ON
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 back-end system, adding 80000+ items to all Flipp products like the popular iOS app

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 script that fully automates deployments

PROJECTS

Oinx (Ruby on Rails, JavaScript)

- Helps Generation Z to reach their goals by visualizing and saving for their wish list using the Wealthsimple API

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

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

See more at: jeffwang13.github.io/projects

TECHNICAL SKILLS

Languages	Frameworks
Ruby	Rails/RSpec
Java	PostgreSQL
Python	React/Redux
JavaScript ES6	Angular

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 a 3-storey tall Christie screen

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

- BASc in Systems Design Engineering
- President's Scholarship

INTERESTS

- Hockey, basketball, ping pong
- Music (hip-hop, EDM)
- Former Chinese U20 hockey goalie