

Yufei (Steven) Yang

4A Computer Science - University of Waterloo

EXPERIENCE

Software Developer at *Influitive*, Winter 2018

Toronto, ON, Canada

- Contributed to production back-end services with **Ruby on Rails** via
 - writing **APIs** that improved the front-end decoupling project
 - designing new features to enhance product stability
 - managing live database under requests from the support team
 - refactoring user data structure to reflect **GDPR** changes
- Adjusted in an **agile** environment with daily standup, biweekly grooming and retrospective
- Collaborated with the team in a **DevOps culture** with integrations in slack to monitor production activity, pull request, etc.
- Volunteered to optimize developer image and service documentation to reduce developer environment inconsistency

Software Developer at *The Weather Network*, Spring 2017

Oakville, ON, Canada

- Developed a map-based cross-platform mobile application programmed with **React Native** in an **agile** environment with daily scrum
- Invented the **patent pending** software solution as a major achievement from the Innovation Department
- Presented a proof-of-concept prototype to **the CEO** and other senior leaders of the company
- Engaged in innovation "summits" and contributed **10X ideas** on potential areas of advancements for the company
- Designed UI/UX for the application
- Addressed **unanticipated issues** on map zooming and data inputs by taking initiatives to shift work between team members to utilize each member's strength

Innovation Developer at *TD (Bank) Lab*, Fall 2016

Kitchener, ON, Canada

- Incubated and programmed two banking proof-of-concept **Android** applications under an **agile** environment with weekly product iterations
- Collaborated with team members via openly challenging each other on how to address issues and discussing the feasibility of features
- Led the demo during the presentation to the senior members of **TD Innovation Council**
- Launched a beta prototype to TD internal employees
- Tested **real** data from team members' banking accounts (which was **super fun!**)

Graphic Designer at *Federation of Canadian Secondary Students*

Toronto, ON, Canada

- Designed marketing materials for a major event hosted in downtown Toronto with hundreds of attendees

PROJECT (MORE ON GITHUB)

Image Viewer App

- A simple Android application that allows users to load images, and display these images in a dynamic layout that responds to device orientation. Users can rate images (1-5), and filter them based on this rating.

Shortest Path Routing Algorithm

- A C++ program that implements a shortest path routing algorithm (OSPF) using Dijkstra's algorithm to simulate internet topology. A directed graph is used to model the internet.

Go-Back-N (GBN) Protocol

- A Java program that implements Go-Back-N network protocol. The sending process continues to send a number of frames specified by a window size without receiving an acknowledgement (ACK) packet from the receiver.

Wotopoly

- A C++ program utilizing OOP to achieve a full monopoly experiences with a displaying board on Terminal. Each move is written as a command with options.

SKILLS

Work Proficiency

Java	Ruby on Rails
Git	PostgreSQL
JavaScript	Redis
React Native	HTML5
NodeJS	CSS3

Non-work Proficiency

C	Scala
C++	React
C#	AngularJS
Python	MATLAB

Platform Proficiency

Android	Shell
iOS	VR (Daydream)
Web	Chatbot

Tool Proficiency

Docker	Android Studio
Unity	VS Code
Atom	iTerm
Sublime	Photoshop
IntelliJ	Illustrator
Xcode	InDesign

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MORE ABOUT ME

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