Yufei Yang (Steven)

4A - Computer Science

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SKILLS

Languages
Python, Swift, Java, C, C++, Scala, JavaScript, SQL, Matlab, Shell Scripting, HTML, CSS

Frameworks
React Native, Ruby on Rails, NodeJS, Redis

Platforms
iOS, Android, Web, VR, Chatbot, Unity, Docker

Tools
Xcode, Android Studio, Docker, Atom, Sublime, IntelliJ, Photoshop, Illustrator, InDesign, Invision Studio

Agile
Pair Programming
Extreme Programming
Retrospective
Sprint Demo
Continuous Integration

Roles
Developer
Designer
Project Manager

EDUCATION

University of Waterloo

BCS Candidate,
2015 - 2020

Computer Science, Combinatorics and Optimization

GPA: 3.0 / 74%

July 2019
Made with InDesign and ❤

EXPERIENCE

Connected | Mobile Developer (iOS)   Jan - Apr '19
- Co-developed an iOS application with RxSwift using MVVM architecture and Coordinator pattern that impacts millions of IoT device users
- Implemented a feature that directly affected the App Store rating to increase from 3.1 to 4.5
- Worked closely with a renowned client on design, development and product decisions

Influitive | Backend Engineer   Jan - Apr '18
- Implemented APIs with Ruby on Rails and maintained the production database with SQL
- Designed new features to enhance product stability and improve front-end decoupling
- Volunteered and successfully optimized developer image and service documentation to reduce developer environment inconsistency

The Weather Network | Mobile Developer (React Native)   May - Aug '17
- Developed a cross-platform mobile prototype with React Native, JavaScript, Redis and NodeJS from scratch
- Invented the prototype solution, which was filed for a patent by the company
- Presented to the CEO and senior leaders and got the prototype approved for the next phase
- Addressed difficulties in development by taking initiatives to shift work between team members to utilize each member's strength

TD (Bank) Lab | Mobile Developer (Android)   Sep - Dec '16
- Developed two proof-of-concept Android applications from scratch
- Launched a beta prototype to company employees for the first time in the lab's co-op history

Federation of Canadian Secondary Students | Graphic Designer   '14 - '15
- Designed marketing materials for a major event hosted in downtown Toronto with hundreds of attendees

PROJECTS

Sudoku Blitz
- An Android app that allows people to play a "co-operative competitive" version of Sudoku, where two players play on a shared board.

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