

# Fan Zhang

Computer Science | fx2zhang@uwaterloo.ca | +1-613-315-8942 | github.com/fanxingzhang

## Skills

**Languages:** Java, Python, Kotlin, C++, C, Scheme

**Technologies:** Retrofit, Otto, NumPy, Flask, Butterknife

**Tools:** Git, Bash, VSCode, Android Studio, Vim, IntelliJ

## Employment

**APPLICATION DEVELOPER | IBM** Toronto, ON

Jan – May 2018

- Improved overall performance of Sherwin-William's ARCore module and **increased FPS by 100%**
- Modified UI and added interactive animations to change Sherwin-William's overall design and user experience
- Added promotion and advertisement modules into Sherwin-Williams using **Firestore Cloud Messaging**
- Created front end display with crypto currency live statistics using **socket programming**

**SOFTWARE ENGINEER | Capital One** Kitchener, ON

May – Sep 2017

- Built new Calendar features for the Capital One Wallet app which was presented to the company executives
- Implemented look-ahead and cache system to **reduce the RESTful API calls by 50%**
- Created new beta features which generates various user data models using **MPAndroidChart**

**ANDROID DEVELOPER | Dayforce Ceridian** Toronto, ON

Sep – Dec 2016

- Developed new features for the Dayforce HCM app to allow users to **search, trade, and drop** shifts
- Created and updated multiple user interfaces for phones and tablets based on user feedback
- Upgraded the Dayforce time clock device's kernel to Android 5.0
- Added tracking details for **Yahoo's Flurry analytics** to the Dayforce HCM app and Dayforce time clock

**JUNIOR DEVELOPER | ICF Olson** Toronto, ON

Jan – May 2016

- Developed various modules for the Boston Pizza Android app such as Map, MyBP Profile and Offers as a part of the Boston Pizza loyalty program which won silver at **2016 Shopper Innovation Award**
- Collaborated with the data science team and implemented data tracking functionalities using **Google Analytics** in order to model user data

## Projects

### Hikari

- Created a Tinder style anime recommendation Android app in **Kotlin**
- Implemented singleton design patterns and dependency injection using **Google's Dagger 2**

### FLCS Android

- Created an Android app which allows users to view their Fantasy LCS statistics using Riot Game's Fantasy LCS API.
- Designed data modules using Open Square's **Otto** event bus and **Retrofit**

### Doggles

- Developed an Android application that uses **Watson Visual Recognition** to identify dog breeds

## Education

**Bachelor of Computer Science, Co-op**, University of Waterloo, Waterloo, ON

Sep 2014 – Present