

TENGQI ZHAN

iOSDeveloper | Designer

iOS Developer and design enthusiast with a penchant for pixel perfect user interface. I love designing new mobile interfaces, creating dynamic animations, learning programming languages and architectures.

PROJECTS

UWGym Schedule — iOS App published on Feb 2017.

<https://itunes.apple.com/ca/app/apple-store/id1180736244>

This is an app that keeps track of the gym schedule of University of Waterloo (such as Basketball/Badminton/Soccer available time). The **front-end** part is completely written by me using **Swift 3** with **MVC** pattern.

Till 2017 Sep 13, this app has been downloaded **9780** times

Schedule Hero — iOS App published on Sep 2017.

<https://mononster.github.io/schedulehero/>

It is completely written in **Swift 3** by myself (10k+ lines of code) with **firebase** as back-end database. This app used **Headless-Browser** and **web crawler** (Written in Swift) to fetch the class schedule of students in UW and then draw it on a scrollView. I also built a **fast course searching system** (Boyer-moore string matching algorithm) since there are more than 7k courses in UW.

UWLife — iOS App I'm currently working on.

<https://github.com/Mononster/Swift-CellAnimation>

It is written by myself using **Swift 4** and **Objective-C** with **MVVM** Design pattern; **One-Signal** and **Firebase** for back-end database. User can post Sublet/Carpool/Book/Others information (text and images) on the market once they registered. I also created chat interfaces and a friend system that supports sending text/emoji/images (with **real-time push notifications** and **disk/memory cache**) between two users. Received around **100** stars on Github for the user interface of home page.

WatRoom — iOS App on GitHub/will be published soon.

<https://github.com/Mononster/WatRoom>

This is an app that tracks the empty/free classrooms in UW, it is written with a team of three others and me using **Swift 3** with **App Coordinator** Pattern. I learnt how to use git and cooperate with teammates efficiently during the development. Moreover, I created a beautiful **drop down menu** for users to select time/location/etc. filters.

Personal Websites — Web development using **HTML/CSS/JS**

<https://mononster.github.io/schedulehero/> <http://marvinzhan.me>

I taught myself the basic of **HTML, CSS and JS** when making these websites.

EDUCATION

University of Waterloo

2014 Sep. - Present

4A Honors Computer Science Undergraduate (Major GPA 3.7)

CONTACT

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SKILLS

- **Swift** (2 years)
- **Objective-C** (1 year)
- **C/C++** (4 years)
- **JAVA** (3 years)
- **HTML/CSS/JS** (1 year)
- **SQL** (School)
- **Python** (School)
- **Scheme/Racket** (School)
- **Basic Machine Learning**

TOOLS

Cocoapods/Carthage, Latex, Git/ GitHub, Markdown, Vim, Firebase/One Signal, Photoshop, After Effect, Web Spider

AWARDS/ ACTIVITIES

- Top **1%** of Euclid Math Contest
- Recipient of University of Waterloo President's Entrance Scholarship
- Summer coding tutor in China

HOBBIES

I'm a huge fan of basketball, rap music, drawing random stuff and solving algorithm questions