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Tianjin University of Technology 2009 ~ 2013
Information Security (BSc)

Work Experience

05/2018 ~

Freelancer / Amsterdam

- Developed several open source iOS apps with SwiftUI and an In-App log console called **JLConsoleLog**.
- Published a QR & Bar code manager app called **QRCobot** on App Store.
- Published an app called **WallCard** for Anik quiz card on App Store, it supports card display on iOS lockscreen wallpaper.
- Developed a macOS menubar app called **OnlySwitch**, it is open source and has more than **1,5k stars on Github**.

01/2017
05/2018

iOS Leader of Architect Team YIXIA Technology / Beijing

Our main product of department is **Yizhibo** that is one of the most popular **livestream video Apps** in China. Yizhibo is a subsidiary of Weibo at present.

- Formulated uniform coding style guid and design paradigms for our development team. Promoted operations engineer to set up Gerrit and **Jenkins** system for code review and package IPA for testing or release. The crash rate decreased from 0.5% to 0.07%.
- Modularized project with CocoaPods, and designed APIs for basic modules. Promoted team developing in CI/CD, made vendor tools and subprojects into static libraries, which improved the compile speed by 15%.
- Drove development of **tracking log system** and **A/B test system** in the part of app. Analyse data to solve problem and improved product's user experience based on log data.
- Developed a new framework for livestream page with plug-in mode. The new business efficiency of development doubled. Refactored keep-alive module, **the message loss rate** reduced by 30%.
- Involved in the design the protocol of network and security in our app, the behavior of **malicious brushing flow** decreased by 80%.
- Designed the solution of livestream quiz mobile client and APIs of data module.
- Developed a series of debug tools and scripts for debugging program in Production and In-house version, CI/CD system and managing modules.

10/2015
08/2016

iOS Developer Weibo Corporation(Nasdaq:WB) / Beijing

Weibo is the **biggest social media platform** in China. It has **500 million** users globally.

- Investigated and surveyed video profiles of other same-type Apps, reduced the usage of video in the peak traffic and helped the company save billions of Chinese Yuan (hundreds of million Euros).
- Analyse A/B Test log data to solve problem, compared performance of AVPlayer and IJKPlayer and made daily statistics, reduced bugs of player by 60%.
- Developed live news video module of Weibo iOS client. Doubled **the fps of peak** in comment module by optimization algorithm; surveyed development of praise flying function in SpriteKit, the fps of peak increased 3 times.
- Developed autoplay function of Weibo vlog, the video views grew 5 times.
- Developed stream feed of video recommendation, **using duration** promoted 3 times in Weibo.
- Developed preloading of vlog, which led to starting to play in a shorter time, milliseconds.
- Integrated Yizhibo SDK into Weibo client.

08/2014 ●
09/2015

iOS Developer Xiudou Co. Ltd / Beijing

Xiudou is a startup company. Xiudou app is a **video eCommerce platform** for small companies and individual businessmen.

- Developed the foundation and basic features of iOS app including video player, account module, setting pages etc.
- Designed products shopping flow and purchase system.

05/2013 ●
11/2013

Windows Developer QFPay Co. Ltd / Beijing

QFPay is a **mini POS terminal**. It can access smart phone and PC client to consume by credit card, check balance, repay credit card etc.

- Developed Windows Phone client, Windows client with WPF and QT of QFPay.

Technical Skills



Programming Languages: Objective-C, Swift, C#, Shell

Technologies: UIKit, SwiftUI, AppKit, Core Data, Git, Jenkins, fastlane, CocoaPods, Swift Package

Knowledge: Design Pattern, HTTP, Multi-thread, MVC, MVP, MVVM, VIPER, Redux

Other: JIRA, Photoshop, Illustrator



Programming Languages: C++, Python, Apple Script, Ruby

Technologies: Xib, Storyboard, WatchKit, Appkit, Unit/UI Test

Knowledge: Data Structure, Server

Other: Sketcher

Languages

Mandarin, English, German(A2~B1)

Awards & Others

- 2011, started to learn iOS development, as the lead of Students Innovation Practice Centre during college life. Organised Tianjin AI Programming Competition. Got Social Activities scholarship in University.
- 2013, the Best Innovation Award by App of Windows Phone voice payment in QFPay hackathon.
- 2015, gave a speech on the trend of iOS development in conference of OSChina.net (Tianjin).
- 2017, the Best Team Award of Middle Manager Training in YIXIA.
- 2018, the 2017 Elite Staff Award in Year End Party of YIXIA.
- 2021, the first of Github Week & Today Swift Trending by OnlySwitch.

App Portfolio:

<https://jacklandrin.github.io/category/Apps.html>

