

# JIANG Yi

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## Profile

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I am a senior iOS app developer. I have 8 years iOS app development experience including over 6 years experience in commercial application developing. I earned two master's degrees in engineering study and ICT respectively. I have over 6 years security system industry working experience in a native Australian company.

## Key Strengths

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- Strong iOS Swift coding experience
- Full stack developing experience
- Cross platform coding skills (iOS, Linux, Android, Windows)
- Curiosity in emerging technologies
- Learning Agility
- Strong Working Ethic
- Strong Communication Skills

## Skills

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- Proficient in using **Swift**, **Objective-C** to develop commercial mobile apps.
  - Proficient in **MVVM** design pattern with **RxSwift**.
  - Proficient in **DJI SDK**, **Alamofire**, **Facebook SDK**, **Google Serial SDKs**, **Aply SDK**
  - Proficient in **Git**, **TDD** in **Vim** and **Xcode** working environment.
  - Intermediate in information security, major in **mobile app security assessment**.
  - Proficient in using **Xcode Instruments** to tuning time performance and memory leaking development
- Other ICT skills:**
- Proficient in **Go** and **PHP** in commercial mobile app with **RESTful** backend service
  - Using **Java**, **C**, **Delphi** and **LabView** in industrial software development.

- Using CA-Clipper and dBase in a legacy (**30+ years old language**) database system.

## Career Experience

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### **Aug 2017 - Now   iOS Team Leader, Thred, Sydney**

**Key Tech:** Swift 4, ARKit, SceneKit, Git

[Thred](#) is an ASX listed startup company. It is an innovative technology company specialising in augmented reality and location-based technologies. It created an instant messaging app Sweep, with AR and geolocation feature.

**Duties and Responsibilities:** - Develop new features for Sweep - Managing the iOS develop team - Managing and organising app release in App Store

### **Feb 2017 - Now   Full Stack Developer, Siphty Pty Ltd, Sydney**

**Key Tech:** Swift 3, Golang, Git, DJI Mobile SDK

Siphty is a startup company fund by me with my friends. It hosts our innovation projects. The main products are ADS-B serial apps and computer graphic/computer vision projects. The ADSB HMD is a drone remote controller app provides low attitude aircraft collision avoiding and No-Fly Zones notice. The ADSB Radar is an app with live virtual aircraft radar and Geographic AR view.

**Duties and Responsibilities:** - Design and developing iOS apps - Managing and organising App Store account - Planning road maps for products strategy

### **May 2016 - Feb 2017   Mobile App Developer, MobileDEN Pty Ltd, Sydney**

**Key Tech:** Swift 3, Objective-c, Java, Git

MobileDEN is a startup mobile app agent company. It has several well-known fast-food franchise customers, such as Starbucks, Red Rooster and Oporto.

**Duties and Responsibilities:**

- Developing iOS apps
- Maintaining previous iOS project

### **May 2010 - April 2016   Mobile App Developer, Digiflex Pty Ltd, Sydney**

**Key Tech:** Objective-c, Swift, Java, Go, PHP, Git, dBase, Delphi, LabVIEW

Digiflex is a native Australian electronic security company which provides access control security solution, designs and produces a serial of control panels and modules for BOSCH Security Australia.

**Duties and Responsibilities:**

- Leading iOS app project team
- Assessing iOS app security
- Developing Android apps
- Developing back end app server

**Other Duties:**

- Maintaining PCB tester program on LabVIEW and National Instruments;
- Developed firmware programming application platform application by Delphi;
- Maintaining Inventory Database CA-Clipper code dBASE structure

## **2009 Help-desk Technician, Aegon-Cnooc Life Insurance Corporation, Shanghai**

**Key Tech:** Enterprise resource planning (ERP), Active Directory, Windows Server, SQL Server

AEGON-CNOOC Life Insurance Corporation is funded by two Fortune 500 enterprises, AEGON and CNOOC.

**Duties and Responsibilities:**

I dedicated myself to the IT department as a level 2 helpdesk technician to provide comprehensive IT support and perform a daily routine for business continuing process in English working environment at headquarter.

## **Academic Experience**

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**2008 Master of ICT**

**Department of Computing, Macquarie University**

Major in information security and project management.

**2007 Master of Engineering Study**

**Engineering Faculty, University of Technology, Sydney**

Major in machine learning and computer control

**2004 Bachelor of Computing Science**

**Lanzhou University, China**

Major in software engineering.

## **Continuing Education**

**2010 Postgraduate Diploma of Business**

**Business Faculty (Sydney campus), University of South Queensland**

Major in E-commerce and project management.

# Projects

## Commercial Apps & Softwares

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### Sweep

**Key Tech:** Swift, Vuforia, SceneKit

**Web Page:** <https://itunes.apple.com/au/app/sweep-chat-and-connect/id1183636799>

**Description:** Sweep is a free app that allows users to engage with the world around them in a completely new way. Whether the user is sitting at a bar, in a university lecture hall or waiting for a train, Sweep's unique Geochat features allow users to unlock exclusive chats based on their location.

**Roles:** iOS Team Leader, Senior iOS Developer

### HMD+

**Key Tech:** Swift, DJI SDK

**Web Page:** <https://www.siphty.com/adsb-hmd>

**Description:** HMD+ is a DJI drone remote controller application with ADS-B collision avoiding system. It provides first person view and geographic AR view. It also warning drone operator to avoid drone No-Fly Zones.

**Roles:** Project Owner and Developer

### ADSB Radar

**Key Tech:** Swift, ADS-B, Golang

**App Store:** <https://goo.gl/WjwxVG>

**Description:** This app is an ADSB vertical radar with Geographic AR view. It can access an ADSB backend server to update all aircraft around a specific geographic location.

**Roles:** Project Owner and Developer

### Starbucks Australia (iOS)

**Key Tech:** Objective-C, iOS

**App Store:** <https://goo.gl/b2Xnti>

**Description:** The official iOS app of the Starbucks Australia.

**Roles:** iOS Developer

### Oporto Flame Rewards (iOS)

**Key Tech:** Objective-C, Swift 3, iOS

**App Store:** <https://goo.gl/T3dbnc>

**Description:** The official royalty app of the Oporto.

**Roles:** iOS Developer

### [Red Rooster Royalty\(iOS\)](#)

**Key Tech:** Objective-C, Swift 3, iOS

**App Store:** <https://goo.gl/PtBojM>

**Description:** The official royalty app of the Red Royalty.

**Roles:** iOS Developer

### [MyAlarm SMS Control \(iOS\)](#)

**Key Tech:** Objective-C, iOS

**App Store:** <https://goo.gl/IGCZE2>

**Description:** This app allows the user to create and save SMS control templates for security system.

**Roles:** App Designer & iOS Developer

### [MyAlarm SMS Control \(Android\)](#)

**Key Tech:** Java, Android

**URL:** <https://goo.gl/o4Jt9d>

**Description:** This app is MyAlarm SMS Control Android edition.

**Roles:** App Designer & Project Manager

## **MyAlarm Mobile App Backend Server**

**Key Tech:** PHP, Golang, SQL, RESTful

**Description:** This is a RESTful backend service for SMS Reports app.

**Roles:** API Designer, Web Service Designer & only Developer

### [MyAlarm SMS Reports \(iOS\)](#)

**Key Tech:** Objective-C, iOS

**App Store:** <https://goo.gl/nxh1pv>

**Description:** This app allows the user to receive Push Notification from the compatible alarm system.

**Roles:** System Designer, App Developer and Backend Server Developer

### [MyAlarm SMS Reports \(Android\)](#)

**Key Tech:** Java, Android

**URL:** <https://goo.gl/Y1nOh8>

**Description:** It is Android edition MyAlarm SMS Reports app.

**Roles:** Application Designer & Project Manager

## **MyAlarm iFob Control (iOS)**

**Key Tech:** Objective-C, iOS, Cryptography

**App Store:** <https://goo.gl/u6WF82>

**Description:** This app is a remote application for MyAlarm and Bosch alarm system.

**Roles:** Framework Designer & Application Developer

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