

Andy Liang

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andyliang.me

meteocho

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SUMMARY OF QUALIFICATIONS

- Over 5 years of experience in iOS app development with two released App Store apps.
- Experienced in UI and UX design for mobile products from multiple projects using Sketch.
- Proficient in Swift, Objective-C, UIKit, Xcode, Auto Layout, and Grand Central Dispatch.

TECHNICAL SKILLS

Proficient Languages Swift, Objective-C, C, C++, Racket (Scheme), Java, Javascript

Platforms and Tools iOS, macOS, Xcode, CocoaPods, Realm, Jira, Git, Vim, Zsh

Design Tools Sketch, Adobe XD, Adobe Photoshop

WORK EXPERIENCES

Apple

May 2019 – Aug 2019

UIKit Frameworks Engineer, Co-op – Cupertino, CA

- Implemented new Context Menu API for SwiftUI shipping alongside the iOS & iPadOS 13 SDK.
- Prototyped experimental Drag and Drop features on iOS and iPadOS using UIKit & SwiftUI.
- Assisted developers from around the world in UIKit, SwiftUI, and MacCatalyst labs at WWDC 2019.

Splunk>

Sep 2018 – Dec 2018

Native iOS, Software Engineering Co-op – San Jose, CA

- Architected, designed, and developed a new Splunk iPad app for business analysts using Swift.
- Iterated through many UX design patterns to take full advantage of the iPad Pro form factor.
- Implemented annotations feature with precise Apple Pencil drawing support, caching, and sharing.
- Developed internal SDKs using Swift, VIPER, and CocoaPods to modularize app-building process.

Yahoo! Inc. (Oath)

Jan 2018 – Apr 2018

iOS Software Engineering Intern – Sunnyvale, CA

- Developed the next-gen streaming protocol for the iOS Flurry Analytics SDK using Objective-C.
- Utilized the Actor concurrency model to enable asynchronous operations without race conditions.

Yahoo! Inc.

May 2017 – Aug 2017

iOS Software Engineering Intern – Sunnyvale, CA

- Implemented revenue analytics, custom app groups, and iPad support for the Flurry Analytics app.
- Streamlined outdated testing solutions used by the QA team into one single test application.

PROJECTS

Sigma Planner – iOS

Sep 2015 – Present

<https://itunes.apple.com/ca/app/sigma-planner/id1106938042>

- Created a student task planner using Swift and Realm, with over 50K downloads in one year.
- Reached Education category Top Charts on the App Store in 2017, including Top 5's in 7 countries.

Blurry – iOS

Jun 2017

<https://itunes.apple.com/ca/app/blurry/id1254612844>

- An ultra-lightweight app that allows the user to easily apply gaussian blur to their photos.

EDUCATION

Honours Bachelor of Computer Science

(Expected) Sep 2016 – Jun 2021

University of Waterloo – Waterloo, ON (GPA: 3.7)

- **Achievement:** Won First Place in contest for building most-optimized WLP4 (C-like) compiler.