

SUMMARY

Highly experienced iOS/macOS developer who cares about UI & UX. Strong passion for the Apple ecosystem. Currently working on a high performance, cross-platform UI framework that utilizes declarative syntax, similar to SwiftUI, and is based on Apple's graphics technologies such as Core Animation, Core Graphics and Metal, etc.

SKILLS & EXPERTISE

Languages: Swift, Objective-C

Frameworks: UIKit/AppKit, RxSwift, Core Animation, Core Graphics, Core Text, Core Image, Metal

WORK EXPERIENCES

Robinhood - Software Engineer (iOS), Menlo Park, CA, US Feb 2020 - Present

- Frontend tech lead on the customer support team, responsible for the roadmapping, prioritization and execution of various projects, including in-app chat, support phone call & in-app survey, etc.
- Developed various iOS infra tools, such as unit & UI testing frameworks, code generations CLI, etc.

Facebook - Software Engineer (iOS), Menlo Park, CA, US Oct 2017 - Feb 2020

- Modularized the iOS media infra code using BUCK on Instagram Media Infra team.
- Led the development of a new media processing & uploading framework in the Instagram iOS app.

theScore - iOS Developer, Toronto, ON, Canada Jun 2015 - Jul 2017

- Launched new designs for theScore | esports 2.0 and theScore flagship 6.0 iOS apps.
- Created & implemented various theScore iOS design system UI components.

Wattpad - iOS Developer (Intern), Toronto, ON, Canada Aug - Dec 2014

- Developed the Wattpad editor keyboard toolbar for iPhone 6/6 Plus using Core Graphics.
- Improved the Wattpad iOS localization workflow and introduced new languages.

PROJECTS

Personal Apps

- Lickable Menu Bar (macOS) - Retro Classic Mac menu bars. Nov 2022
- Say No to Notch (macOS) - Remove the MacBook screen "notch". Aug 2022
- Git Streaks for GitHub (macOS) - GitHub contribution squares in menu bar. Aug 2020
- Robinhoodie (macOS) - Robinhood portfolios in menu bar. (discontinued) Jan - Dec 2020
- InstaTip (iOS/macOS) - Tip calculator with check image recognition. Jul 2019
- 2048 AI (iOS) - 2048 game with AI solver. Apr 2015

Open Source Libraries

- ChouTi - a Swift framework for iOS/macOS UI components, common data structures and extensions.
- Ji - an XML/HTML parser for Swift.
- AutoKeyboardScrollView - a handy UIScrollView subclass to handle keyboard avoidance.

EDUCATION

University of Waterloo Waterloo, ON, Canada

- Master of Engineering, Major in Electrical and Computer Engineering. Sep 2013 - Jun 2015

Southeast University Nanjing, China

- Bachelor of Engineering, Major in Electrical Engineering & Its Automation. Sep 2008 - Jun 2012