

## SUMMARY

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Experienced and passionate iOS/macOS developer with 10+ years of hands-on development. Known for building beautiful, performant UIs and leading teams to deliver impactful products.

## SKILLS & EXPERTISE

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**Languages:** Swift, Objective-C

**Frameworks:** UIKit/AppKit/SwiftUI, RxSwift, Core Animation, Core Graphics, RxSwift, etc

## WORK EXPERIENCES

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**Robinhood - Software Engineer (iOS)**, California, US Feb 2020 - Present

- iOS tech lead on the options team, led key initiatives such as Options Simulated Returns, Index Options, Side-by-Side Option Chain, redesigned options trading flow and options infra tools, etc.
- Frontend tech lead on the customer support team, drove roadmapping, prioritization and execution of various projects, including in-app support chat, phone call support & in-app survey, etc.
- Led various iOS infra tools development, including Unit/UI testing frameworks, code generations CLI.

**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

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### Indie Apps

- [Maze · Maps Switcher](#) (iOS) - Open location in preferred map. June 2024
- [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
- [2048 AI](#) (iOS) - 2048 game with AI solver. Apr 2015

### Open Source Libraries

- [ChouTi](#) - Swift packages to enhance the development on Apple platforms.
- [ChouTiUI](#) - a Swift framework for building delightful user interfaces on macOS and iOS.
- [ComposéUI](#) - a Swift framework for building UI using AppKit and UIKit with declarative syntax.

## EDUCATION

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**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