

TECHNICAL SKILLS

Proficient Languages	Swift, Objective-C, C, C++, Racket (Scheme), Java, JavaScript, Python
Platforms and Tools	UIKit, SwiftUI, macCatalyst, Xcode, CocoaPods, Realm
Design Tools	Sketch, Figma, Adobe XD, Adobe Photoshop

WORK EXPERIENCES

🍏 Apple

May – Aug 2019 / Jan – Apr 2020

UIKit & SwiftUI Engineer, Co-op – Cupertino, CA

- Collaborated with the Human Interface Team on adding improvements to iOS system components.
- Implemented new Context Menu API for **SwiftUI** shipping with the iOS & iPadOS 13 SDK.
- Prototyped experimental Drag and Drop interactions on iOS & iPadOS using **SwiftUI**.
- Assisted developers from around the world in UIKit, SwiftUI, and macCatalyst labs at WWDC 2019.

Splunk>

Sep – Dec 2018

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

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

Yahoo! Inc. / Oath Inc.

May – Aug 2017 / Jan – Apr 2018

iOS Software Engineering Co-op – Sunnyvale, CA

- Developed the **next-gen streaming protocol** for the iOS Flurry Analytics SDK using **Objective-C**.
- Utilized the **Actor concurrency model** to achieve modular architecture for reduced SDK size.
- Implemented revenue analytics, custom app groups, and iPad support for the official Flurry app.
- Streamlined outdated testing solutions used by the QA team into one single unified application.

PROJECTS

Sigma Planner – iOS

Sep 2015

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

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

Blurry – iOS/macOS

Jun 2017

iOS: <https://apps.apple.com/app/blurry/id1254612844>

Mac: <https://apps.apple.com/app/blurry/id1482686361>

- Built an iOS and macOS (**Catalyst**) app that allows users to apply gaussian blur to their photos.
- Utilized **Grand Central Dispatch** to continuously process image blurring efficiently.

EDUCATION

Honours Bachelor of Computer Science

(Expected) Sep 2016 – Jun 2021

University of Waterloo – Waterloo, ON

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