

Avi Wadhwa

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EXPERIENCE

iOS Mobile Developer Intern

May 2024 – August 2024

1Password

Vancouver, BC

- Developed the **Item Sharing History** component for the **iOS app** in **SwiftUI**, improving **feature parity** between platforms
- Contributed toward multiple **accessibility** and **VoiceOver** enhancements in an **Agile** environment.
- Participated in a company-wide hackathon, **winning** the “**Tighter Integrations**” category with an innovative **iMessage integration** project.

iOS Mobile Developer Intern: Google Summer of Code

June 2023 – August 2023

VLC Media Player / VideoLAN

Remote

- Implemented **Siri voice-controlled media playback** by integrating the **Apple Intents framework**, enhancing **user interaction with VLC**.
- Developed a “**Recently Watched**” view using **UIKit**, enabling users to easily access their viewing history.

Android App Store Development Intern

June 2022 – July 2022

Primebook Laptops / Floydwiz Technologies

New Delhi, India

- Created the user interface for **managing pending app updates** in **Android XML** Layouts.
- Refactored the search view in **Kotlin** to accurately present install status and **prevent repeat installs**.
- Integrated with **Android’s Download Manager framework** to enable **background downloads and installs**.

PROJECTS

Lyric Fever | *SwiftUI, Swift, AppleScript, REST API, CoreData, MusicKit, macOS*

August 2023 – Present

- macOS application** that displays **live lyrics in the menubar** for Spotify and Apple Music.
- Deep OS integration using **Swift concurrency**, **DistributedNotificationCenter**, **MusicKit**, and **AppleScript** to sync with music players whilst remaining completely sandboxed
- Saving lyrics on disk using **CoreData** to reduce network calls
- 1000% more efficient than competitors**, using **0.4% CPU** while **competition averages 4%**

Spotify Friend Activity | *JSON, MVVM, Rest API, SwiftUI, Swift, WidgetKit*

August 2022 – September 2023

- Created an intuitive user experience bringing Spotify’s Friend Activity feature to the iOS platform.
- Upheld **security standards** by implementing **Keychain & Spotify WebView Login** for secure credential storage.
- Designed a widget offering users to view their **friends’ music activity from the iOS home screen**.
- Leveraged **Swift concurrency** to asynchronously query **Spotify’s Rest API**, ensuring real-time updates.
- Available on the App Store, with **30,000+ users** and **398 ratings** with a **4.5 star average**.

LibreHunt.org | *JavaScript, Bootstrap, Python, Flask, SQLite*

May 2018 – May 2020

- Employed algorithms to analyze user responses and provide **personalized Linux distribution recommendations**.
- Featured on Forbes as “**Top Tool To Find Your Perfect Linux OS**”
- Generated **105,000+ suggestions** since launch.

EXTRACURRICULARS

ThunderBots UBC Design Team | *C++, Python, Qt*

September 2023 – April 2024

- Led the effort to **expand Thunderbot Software compatibility to arm64 Linux**.

TECHNICAL SKILLS

Languages: Swift, Python, Java, Kotlin, SQL (SQLite), JavaScript, HTML, CSS

Frameworks: React, SwiftUI, UIKit, Flask, JUnit, CoreData

Developer Tools: Git, VS Code, XCode, IntelliJ, Android Studio

EDUCATION

University of British Columbia

September 2021 - Expected May 2026

Bachelor of Science in Computer Science

Vancouver, BC