Avi Wadhwa

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EDUCATION

University of British Columbia   September 2021 - May 2026
Bachelor of Science in Computer Science   *Vancouver, BC*

EXPERIENCE

iOS Developer Intern: VLC Media Player   June 2023 – August 2023
Google Summer of Code Student at VideoLAN   *Remote*
- **Implemented Siri voice-controlled media playback by integrating the Apple Intents framework**, enhancing user accessibility and interaction with VLC Media Player.
- Developed a "Recently Watched" view using UIKit, enabling users to easily access their viewing history.
- Enhanced the interface by applying the delegate pattern to existing components, resulting in more detailed components such as the Delete alert and Settings panel.

Android App Store Development Intern   June 2022 – July 2022
Floydwiz Technologies/Primebook Laptops   *New Delhi, India*
- Created the user interface for managing pending app updates in Android XML Layouts.
- Upgraded the search view's model in Kotlin to reflect the installation status of the respective application and prevent repeat installations.
- **Integrated with Android's Download Manager framework** to enable background downloads and installs.

PROJECTS

Spotify Friend Activity | *JSON, MVVM, Rest API, SwiftUI, Swift, WidgetKit*   August 2022 – Present
- Created an intuitive user experience bringing Spotify's Friend Activity feature to the iOS platform.
- Development of application done adhering to MVVM design patterns.
- Upheld security standards by implementing Keychain & Spotify WebView Login for secure credential storage.
- Designed a widget offering users to **view their friends' music activity directly from the iOS home screen**.
- Leveraged **Swift concurrency** to asynchronously interact with Spotify's Rest API, ensuring real-time updates.
- **Available on the App Store, empowering 30,000+ users to stay connected with their friends.**

LibreHunt.org | *JavaScript, Bootstrap, Python, Flask, SQLite*   May 2018 – May 2020
- Published an educational website to promote use of Linux, maintaining a curated list of Linux distributions.
- 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 95,000+ suggestions since launch.

File Organizer for Linux | *Python, GTK, Flatpak, Linux*   May 2019 – July 2019
- Designed an intuitive and user-friendly interface for file management.
- Ensured safe cross-distribution availability by packaging and publishing as a sandboxed Flatpak application.
- Streamlined file organization for 5000+ users.

EXTRACURRICULARS

ThunderBots UBC Design Team | *C++, Python, Qt*   September 2023 – Present
- Collaborated with 20+ developers at UBC Thunderbots, a UBC design team designing autonomous soccer robots to compete at an annual soccer tournament.
- Led the effort to **expand Thunderbot Software compatibility to arm64 Linux**.

BOLT Bootcamps UBC | *React*   September 2022 – April 2023
- Contributed to the development of the Bolt UBC website rewrite in React.
- Integrated Bolt Instagram page into the website using the FaceBook Developer API to enhance user experience.

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