Alan Yan

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EDUCATION

University of British Columbia   Sep 2018 – May 2022
BSc, Computer Science   Vancouver, Canada
Coursework: Computer Graphics, Computer Animation, Computer Vision, Machine Learning, Algorithms

PROJECTS

Cloud Battery 🔗   Sep 2019 – Present
iOS & Mac App Store
- Ideated, developed and published watchOS, iOS and macOS applications that track and store battery levels of a user's Apple devices using CloudKit and UIKit with MVVM architecture in Swift
- Implemented Today Widget, background fetching, low battery push notifications, Watch Complications and SwiftUI iOS 14 widget to enable ease of access to battery information
- Managed over 150,000 users and their feedback
- Featured in multiple news articles, and on the App Store in the Today Tab and as App Of the Day.

floatingfile 🔗   May 2020 – Present
iOS App Store
- Developed and published iOS application that allows for temporary sharing of files cross-platform using both UIKit and SwiftUI views featuring QR Code scanning and native cross-application drag and drop on iPadOS

Dance Party 🔗   May 2021 – Jun 2021
WWDC Swift Student Challenger Winner
- Created a Swift Playground that allows users to play against choreography to any song either in single-player or over the local network and get scored using UIKit and Vision
- Allowed for users to record choreography to any song in addition to the built-in choreography, which is analyzed and turned into a track with key poses that can be played just like any other track

PROFESSIONAL EXPERIENCE

iOS Developer   May 2021 – Aug 2021
Robinhood 🔗
- Used RxSwift and UIKit to create a reusable disclosure page with analytics and dropdown cells that can show varying content anywhere in the app; first use is in the Newsfeed
- Migrated Newsfeed to make a single network call instead of many to improve performance and allow the server to choose education lessons for any given user
- Oversaw A/B testing and rollout of the feature to millions of users

iOS Developer   May 2020 – Dec 2020
Nanoleaf 🔗
- Used MVVM, UIKit and AutoLayout in Swift to build out new features of the Nanoleaf App including schedules, and the Discover Tab
- Worked with ARKit to show an AR preview of light panel layouts
- Utilized HomeKit, and multiple networking protocols to connect to Nanoleaf devices

SKILLS

Swift | Javascript | Sketch | Leadership | Python | Java | Blender | HTML | CSS