Sen Lin

sunnylinsen@gmail.com | +44 7342 046879

Education

Goldsmiths, University of London **Bachelor of Computer Science**	Sep 2019 - Jun 2023 (Expect)

Skills

Languages: Swift, Python, JavaScript, Dart
Technologies: UIKit, SwiftUI, Node.js, React.js, Flutter, Tensorflow

Projects

For more information about my projects, please visit my website: https://forestlinsen.github.io/

Stock (UIKit)
Jul 2022 - Oct 2022

A stock app that can display stock data and show market news

- MVVM Architecture
- UserDefaults for storing and managing the user's favourite stock
- DispatchGroup to manage API calls for fetching financial data from finnhub.io and DispatchWorkItem to optimise the user search actions
- Third party library Charts to show market price chart and FloatingPanel to display the news panel

ShotDiary (UIKit)
May 2022 - Jul 2022

A video diary app helps you record the highlights of your life

- MVVM Architecture
- CoreData for managing the user diary data (videos are stored as reference in CoreData)
- UICollectionView and UISegmentedControl to display different views with the same data
- Using Pexels' API to download and search videos

Spotify Clone (UIKit)
Feb 2022 - Apr 2022

A music app to search millions of songs and manage your Spotify library

- MVVM Architecture
- OAuth 2.0 authorization framework for connecting with Spotify
- Spotify API for fetching and searching songs and artists
- AVPlayer for playing songs from the preview url

Instagram Clone (Swift UI)
Sep 2021 - Jan 2022

A social media app for sharing images with friends

- MVVM Architecture
- Firebase Authentication for registering users
- Firestore Database for posts data and Storage for storing posts and profile images

Efficient Frontier (Python)
Jan 2021 - Feb 2021

A Python programme that can be used to calculate the efficient frontier with given stocks.