

# Sen Lin

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## Education

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Goldsmiths, University of London  
**Bachelor of Computer Science**

Sep 2019 - Jun 2023 (Expect)

Sichuan Normal University  
**Bachelor of Bachelor of Management**

Sep 2015 - Jun 2019

## Skills

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Languages: Swift, Python, JavaScript, HTML, CSS  
Frameworks: UIKit, SwiftUI, Node.js, React.js, Flutter, Tensorflow  
Others: Logic Pro, Photoshop, Premiere, After Effects

## Work Experience

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### ChaiKnows

Tech&Financial Scriptwriter

May 2020 - Jul 2022

- Script writing for videos in technology and finance
- Using Python to create a visualisation programme for a video of Alibaba, which has received 100+ GitHub starts
- Using CoreML to create an iOS demo app for a video of Huawei Cloud

### Monad Ventures (Chuxin Capital)

Branding & Tech Assistant

Apr 2019 - May 2020

- Managing and updating website content with WordPress
- Assist with research and due diligence on projects in the technology sector. Ex. ShadowBot

## Projects

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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

- UserDefaults for storing and managing the user's favourite stock
- DispatchGroup to manage API calls for fetching financial data from [finnhub.io](https://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 authorisation 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.