



# Sidi Li

Male | 31 years old    ☎ 15521330690    ✉ icubic@qq.com

8 year work experience

## Professional Summary

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A seasoned iOS developer well-versed in web front-end, with a passion for AR and AI technologies. Currently pursuing a Master's in Artificial Intelligence, I am focused on blending technical expertise with innovative thinking, aspiring to leverage my substantial development experience and enthusiasm in the field of AI.

## Employment History

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**NetDragon Websoft Holdings Limited**    Senior Software Engineer    2020.04-2023.02

### Content:

1. Utilize front-end technologies such as React, TypeScript, and Node.js, collaborate with product managers and UX to develop and maintain high-performance Web applications.
2. Responsible for front-end performance optimization, improve data processing efficiency with technology stacks like GraphQL.
3. Develop iOS/Mac platform applications using Swift and Objective-C, and work with QA to optimize App performance.

### Achievement:

Contributed to growing Edmodo's app to 4 million daily users. Developed a real-time polling system, enhancing classroom engagement. Created a high-performance collaborative whiteboard for the NGLD project, improving utility across platforms.

**Miaodou Tech Ltd., Guangzhou**    Senior iOS Engineer    2019.08-2020.03

### Content:

1. Led the iOS underlying security enhancement project, designed and implemented code protection mechanisms to fortify the application against reverse engineering attacks.
2. Responsible for the optimization and review-oriented tasks of iOS applications, ensuring efficient passage through the App Store review process.
3. Developed and maintained SDKs as well as core native components, improving application performance and user experience.

### Achievement:

Created and promoted a standard process for submitting iOS applications for review, significantly improving review pass rates and submission efficiency.

**Content:**

1. Iterated iOS application versions based on the product manager's requirements, implementing the development of key new features.
2. Integrated Cocos2dx module through Cocoapods, responsible for the access and maintenance of this game engine module, ensuring its stability and performance within the application.
3. Participated in the design and development of Cocos mini-games, enhancing user interaction and application fun through gamification.

**Achievement:**

Played a key role in team collaboration, successfully integrated the cocos2dx module. Through efficient collaboration and continuous technical contributions, helped the application to steadily maintain a top 5 ranking in the education sector best-selling list.

**Content:**

1. Independently developed the 'iHeart' application, utilizing camera technology for heart rate detection, providing a stable feature in the company's product line.
2. Responsible for the iOS development of smart wearable projects, involving the use of iOS Bluetooth module for communication with smart devices, accumulating experience in Bluetooth communication development.
3. Maintained and upgraded existing iOS applications, ensuring continuous optimization of product performance and user experience.
4. Independently completed the development of the company's WeChat Mini Program, from conceptual design to product launch, fully mastering the development and operation process of WeChat Mini Programs.

**Achievement:**

1. Independently completed the development and listing of the App.
2. Independently completed the development and launch of the WeChat Mini Program.
3. Helped the company solve numerous technical challenges.

**Project List**

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**Content:**

SoundBridge is an advanced application supporting iOS and Mac platforms, using high-level AI technology to transcribe audio into texts in multiple languages. It not only provides translations but also converts texts back into audio in the desired language. With a user-friendly interface, high accuracy in transcription and translation, and natural audio output from transcribed audio, SoundBridge stands out. Additionally, it supports multi-person transcription, making it a convenient tool for podcast content creation.

In this project, I utilized SwiftUI to comprehensively build and adapt the iOS and Mac applications, demonstrating a deep understanding and mastery of the Apple ecosystem. In web development, I created a front-end interface using a tech stack comprising Next.js, TailwindCSS, and React, ensuring a modern and smooth user experience. As the technical core of the team, I worked closely with the backend team to explore and implement LLM applications, audio transcripti

on, and prompt optimization among other AI technologies, driving breakthroughs in product intelligence and user interaction.

**Achievement:**

Our team's AI audio transcription and voice synthesis app boasts over 90% accuracy, thanks to advanced neural networks improving transcription speed and accuracy. Our voice synthesis delivers natural audio. SoundBridge earned acclaim, including AI FINDER endorsements, underscoring our market lead.

**iOS Submission Assistance Tool**      Desktop Development Engineer      2019.08-Now

**Content:**

Drawing inspiration from various tools on the market, I have developed and maintained a set of customized tools in Python designed to enhance the security of iOS applications and ensure their smooth passage through Apple's review process. This toolkit not only improves the app structure to meet Apple's standards but also aids in effectively navigating iOS projects through the AppStore review, promptly identifying issues within iOS applications.

**Achievement:**

Our strategic toolkit has streamlined the App Store review process, enhancing code security and ensuring compliance, which has markedly increased our app approval rate, reduced time to market, and bolstered app security and professionalism.

**Baby English**      Core Member of the iOS Development Team      2018.01-2019.06

**Content:**

As a core developer, I participated in the version iteration from early 2018 to mid-2019, undergoing its major updates. My main responsibilities included:

1. Writing the main module 'Learning Circle' in the form of a Feed stream within the app.
2. Developing some of the mini-games within the app using CocosCreator+TypeScript.
3. Integrating the Cocos2dx engine into our native project and managing and updating it with CocoaPods.
4. Utilizing message forwarding to integrate JSBridge and Cocos messaging, creating a more unified bridge.
5. Handling the integration of the customer service module in the app and managing it separately with CocoaPods.
6. Iteration work on a large amount of basic business.

**Achievement:**

A perennial top 5 app on the AppStore's education charts, recommended by Apple.

**CowLevel**      Independent iOS Developer      2017.12-2018.07

**Content:**

A well-known gaming community in China, I independently developed the iOS version in my spare time and assisted with its AppStore launch. The app consists mainly of a large amount of gaming information, including features for posting, editing, and commenting. The main technical challenges were:

1. Organizing extremely complex Feed stream information and considering how to display it without causing lag.
2. Creating a custom rich text editor as open-source third-party rich text editors did not meet the requirements.
3. Communicating detailed interactions with the Web side as some pages were web pages.

**Achievement:**

On the CowLevel project, I developed a performant iOS app with rich gaming content and social functionalities, introduced an efficient info feed, and created a custom rich text editor. My work, ensuring smooth web integration, received high praise from both managers and users.

## Education

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**Illinois Institute of Technology**    Master    Artificial Intelligence    2021-2024

During my Master's in Artificial Intelligence, I delved into the core disciplines of AI, including Machine Learning, Deep Learning, Natural Language Processing, and the principles of databases. This academic journey has not only armed me with cutting-edge knowledge in AI technologies but also honed my ability to apply theoretical concepts in practical scenarios.

**South China Normal University**    Bachelor    Physics    2011-2015

I specialized in Physics during my university studies, delving deeply into quantum mechanics, electrodynamics, and linear algebra. I also expanded my academic horizon with courses in education and educational psychology, aiming to integrate core scientific principles with effective teaching methodologies.