

Yong Chu

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yongfrank.github.io/about

EDUCATION

Zhejiang Sci-Tech University
Bachelor of Engineering, Electronic Information Engineering

Expected Jun. 2025
Hangzhou, China

EXPERIENCE

Apple Apr. 2024 - Present
SDET Intern

- As a software development intern, I quickly familiarized myself with the relevant business and conducted requirement analysis, researching and improving the documentation.
- During my internship, my primary responsibility was the development of a generic automated CI system, which ensured both efficiency and stability throughout its implementation. This tool can help team automate the testing procedure, and it's customizable for multiple validation purpose.

Alibaba Dingtalk Dec. 2023 - Mar. 2024
Software Developer Intern

- I successfully led the migration of the iOS Dingtalk app to the visionOS platform, focusing on key components such as the login process and chat module. The transition was completed on schedule, and the updated app was launched in the visionOS App Store, significantly improving platform integration and user experience.
- I specialize in native iOS development, including writing business logic in Objective-C and Swift. I collaborated with product and design teams to discuss and analyze technical and design requirements. I also worked with backend teams to integrate API data and apply it to the company's online business.

Apple Teacher Event Jan. 2022 - Aug. 2022
Apple Teacher

- As a Swift Language Development Instructor, I was responsible for teaching K12 students the fundamentals of the Swift language using Swift Playground as the medium. I also guided them in designing and developing an independent iOS app using the SwiftUI framework.
- Through self-learning and simulated teaching scenarios, I established prompt and effective communication and feedback channels with my students, resulting in a significant improvement in my teaching skills. I guided over 10 students to efficiently complete the introductory Swift course and iOS software development, tailored to the specific needs of each K12 participant.

PROJECTS

Indie iOS App Dev, Regex Go, Oh My Flag Feb. 2022 - Present

- I am responsible for the research, design, development, testing, launch, and promotion of Apps.
- Website: <https://yongfrank.github.io/regex-go/>
- Video: <https://youtu.be/nNWsuZMPHtk>
- My personal App Store page: <https://apps.apple.com/us/developer/%E5%8B%87-%E8%A4%9A/id1633441406>
- The project was starred by more than 20 developers on GitHub and was submitted to the App Store, receiving 1066 impressions in the first week.

Personal Blog Based on Hugo - Web Page Apr. 2022 - Present
Link: <https://yongfrank.github.io/about>

- I consolidate and document relevant topics and issues encountered during my personal learning journey on my personal blog, which receives approximately 20 weekly views. This has enabled me to become proficient in website building and deployment processes, utilizing my knowledge of HTML/CSS/JavaScript, React, Docker, and other related technologies.
- I actively engage with other developers and community members on social media platforms to share and discuss ideas, which has resulted in gaining hundreds of followers. You can find me on [Twitter \(Link\)](#) and [LinkedIn \(Link\)](#).

Smart Speaker Based on OpenAI-GPT3 and React - Web App Dec. 2022 - Feb. 2023
GitHub Link: <https://github.com/yongfrank/SmartSpeaker>

- Based on the refined OpenAI models and extensive research on user needs, this project aimed to select a speech implementation framework that could meet the requirements of embedded systems.
- We utilized Python Flask and React Socket.io to achieve seamless communication between the front-end web page and back-end server, visualizing GPT texts on the web page, and integrating Azure and OpenAI GPT models to accomplish speech recognition and synthesis.
- During the implementation process, we identified compatibility issues arising from differences in ARM32 and ARM64 architectures and restructured the code to ensure compatibility, resulting in a score of 95 points for the final project.

Running Assistance for the Visually Impaired - Mobile App Contest Mar. 2022 - Sept. 2022
GitHub Link: <https://github.com/yongfrank/RunWithMe>

- To meet the needs of visually impaired individuals interested in running, I conducted interviews with the Beijing Blind Running Club and communicated with other members of the design and development team to determine the design needs and direction. Ultimately, I focused on improving the running experience for visually impaired runners by enhancing the fit between the runners and their guides during the development and design process.
- After studying the developer documentation, I became familiar with the SDK. I utilized the gyroscope and accelerometer in the AirPods to evaluate the running posture of the visually impaired runners, thus improving their running experience and providing more effective advice. The app was designed in accordance with human interface guidelines and tailored to meet the needs of diverse users.
- Our project participated in the selection of the Mobile Application Innovation Competition and won the Second Prize. During the competition, we had in-depth exchanges with other developers, designers, and judges, which broadened our thinking on mobile application development. [[LINK - Description](#)]

SUMMARY

Blog and Personal Profile: <https://yongfrank.github.io/about/>

- Familiar with the Mobile/Website application development process, GNU/Linux, Darwin system, Swift, C/C++, HTML/CSS/JavaScript(React).
- Fluency in English/Chinese listening, speaking, reading, and writing, and serving as a member of the [SwiftGG](#) Translation Team.
- Throughout my internship and Google Developer Groups experience, I interacted with people from different backgrounds and was always eager to tackle challenges. I efficiently managed my time to complete tasks within the given timeframe.
- I enjoy reading documentation, reviewing examples, and dedicating time to write clean, high-quality code, which I then document and publish on my blog.
- Be willing to learn something new, and have a strong curiosity for unknown things.