Jiaqi Gan

603-322-0079 | jiaqigan.kiki@gmail.com | https://www.linkedin.com/in/jiaqigan/

EDUCATION

Dartmouth College — Hanover, NH
Master of Science in Computer Science — *Sept. 2022 – May 2024(Expected)*

Huazhong University of Science and Technology (HUST) — Wuhan, China
Bachelor of Engineering in Computer Science, GPA: 3.83/4.0, Merit Student — *Sept. 2017 – June. 2021*

WORK EXPERIENCE

Tik Tok Inc. — Beijing, China
iOS Software Development Engineer — *Fulltime: Jul. 2021 – Jul. 2022 , Intern: Nov. 2020 – Jun. 2021*

- Participated in Lemon8 development. Lemon8 was selected as **"The Best of 2021"** on Google Play
  * Led and took part in the construction of the entire on-boarding procedure using **Swift**, which included multiple pages, complex animation, age-gate logic, etc. And 6% more new users were retained
  * Familiar with **UIKit**, participated in the creation of Design System as a core developer, created a range of common ui components, and designed API interfaces for the entire company's developers
  * Implemented features of product detail page, personal page, profile & favorites page and etc. with **MVC, MVVM** design. Refactored the product detail page and personal page to improve code maintainability
- Undertook the development of user-generated content module for Lemon8 and BuzzVideo
  * Built video submission tools such as video editing, soundtrack editing, video cover selection, etc. using **AVFoudation** and **VESDK**
  * Independently implemented the music library, as well as a set of music preloading and caching services using **NSOperation** and **GCD**, which increased music playback speed by 78%
  * Optimized the network performance for video synthesis and upload process, and reduced the video upload failure rate to 1‰
- Participated in the development of BuzzVideo features for Japan's **millions of daily active users**

Tencent Inc. — Shenzhen, China
Software Development Engineer(Intern) — *Jun. 2020 – Sept. 2020*

- Designed a third-party plugin management platform for developers with multiple Design Patterns to manage Tencent Docs plug-ins
- Independently developed the plug-in management platform with **React** and **Material-UI**

SELECTED PROJECTS

Client/Server Car Rental System — Mar. 2020 – Jun. 2020

- Implemented the GUI interface with **JavaFX**, which supports viewing car details, leasing, returning, checkout, account management, and other actions
- Adopted **MySQL** to store data, and **JDBC** to operate MySQL as an interface to obtain data and provide it to the front end

Traveler Sharing Website — Jan. 2021 – May. 2021

- Used **React.js** & **Material-UI** to construct the frontend of a website where users can register & log in, share attraction information, upload photos & files, view specific location, and etc.
- Adopted **MongoDB** to store data, and developed backend service using **Node.js** & **Express**

TECHNICAL SKILLS

Languages: Swift, Java, C/C++, SQL, HTML/CSS, JavaScript, RxSwift, TypeScript
Frameworks: MVVM, React, Material-UI, JavaFX, Node.js, Express, Vue, Ant Design
Developer Tools/ Database: Git, XCode, VS Code, Visual Studio, IntelliJ, Eclipse, MySQL, MongoDB