

# Zeyu Li

213-2758397 | zli86605@usc.edu | Los Angeles, CA | github.com/zli86605 | linkedin.com/in/catherinezy-li

## SUMMARY

---

Seeking a full-time software engineer position starting from May 2024.

Solid software engineer with exceptional programming, analytical and mathematical skills. High proficiency in **Android** and **iOS** mobile development, and web development using **Java, Go, React, Spring, Hibernate, Vue, MongoDB** and **Firebase**.

## EDUCATION

---

### University of Southern California

M.S. in Spatial Data Science, GPA: 3.6 / 4.0

Los Angeles, CA

Sep 2021 - May 2024

*Relevant Courses: Machine Learning Algorithm, Foundations of Data Management*

### Tianjin University Renai College

B.E. in Software Engineering, GPA: 3.5 / 4.0

Tianjin, China

Sep 2015 - Jun 2019

*Relevant Courses: Data structure, Graph Theory, Operating System, Computer network*

## TECHNICAL SKILLS

---

**Programming Languages:** Java, Python, C++, SQL

**Framework and Platforms:** Spring MVC, Hibernate, React, Vue, Docker, AWS EC2, GCP

**Databases and Tools:** MySQL, MongoDB, Firebase, Hadoop, Spark, Apache Tomcat, ArcGIS, Postman, GitHub, Scrapy, BeautifulSoup

## WORK EXPERIENCE

---

### Walletspot

Jul 2023 - Aug 2023

#### Frontend Engineer Intern

Los Angeles, CA

- Constructed a Chrome extension leveraging the **Vue.js** framework, enabling over 15,000 users to seamlessly swap **NFTs** across blockchain platforms, increasing transactions by 20%
- Integrated OX, Infura, and Web3 for 50,000+ transactions, increasing monthly users by 30%
- Designed a **Node.js** backend using **Passport.js** for secure authentication. Linked to **MongoDB**, storing 100,000+ user profiles and transactions, boosting platform trust

### AI Roboto Edu

Jan 2023 - Jun 2023

#### Frontend Engineer Intern

Los Angeles, CA

- Implemented a course learning system using **Vue.js, CSS, and JavaScript**, leading to a 50% rise in engagement for Computer Science courses and a 30% boost in user experience scores
- Launched a user-friendly search interface, boosting course content discovery rates by 37%
- Innovated with `slideLeft/slideRight` methods to seamlessly transition course content, enhancing user interactivity and content absorption

### Tianjin Teda China Software Excellence Information Technology

Jun 2019 - May 2021

#### Software Engineer

Tianjin, China

- Designed a supermarket management system with MFC and Microsoft Visual C++ (VC++), boosting transaction speeds by 30%
- Utilized **MSSQL Server2000** for improved inventory accuracy and designed intuitive reducing user-reported issues by 50%

## PROJECTS

---

### FoodEasy: Online Food Ordering Full Stack Web App with React and Spring Boot

- Implemented **RESTful** APIs via **Spring MVC** including registration, menu searching ordering
- Utilized **Hibernate** to access and operate the data storage (e.g. menu, restaurants etc.)
- Provided both authentication and authorization via **Spring Security** to protect the application
- Built the client side with **ReactJS** and **Ant Design** to allow users to add items

### SocialBook: Full-stack Go and React-based Social Network

- Improved the authentication with **React Router v4** and server-side authentication with **JWT**
- Launched a scalable web service in **Go** to handle posts and deployed to **Google App Engine**
- Used **Elasticsearch** (deployed to GCE) to provide search functions which improved efficiency

### News+: Personalized News Recommendation Android App

- Designed the Instagram Flavor News app based on **Google** Component Architectural MVVM
- Implemented the bottom bar & page navigation using **JetPack navigation component**
- Built the Room Database with **LiveData** & **ViewModel** to support local cache and offline model
- Integrated **Retrofit** and **Rxjava** to pull the latest news data from a **RESTFUL** endpoint