

# Zhiwei Li

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## Education

### Huazhong University of Science and Technology

Sept 2021 – Present

BS in Electronics and Information Engineering

- GPA: 82.7/100
- **Coursework:** Java Programming(93), Python Programming(95), Data Mining(89), Computer Networks(87), Computer Networks Lab(89), Database Systems(94), Software Project(A), Course Project of Hardware(A), Security of Networks and Information(89), Probability Theory and Mathematical Statistics(91)

## Experience

### School of Computing Summer Workshop 2023

Singapore

National University of Singapore

Jul 2023

- Acquired fundamental knowledge of OpenGL, including concepts such as shaders, materials, and shadows.
- Researched relevant materials and completed multiple phase tasks.
- Led the team to successfully design and implement a 3D scene for the final project.

## Projects

### Wireless Smart Home System

2024

- **Overview:** Designed and implemented a smart home system that integrates both hardware and software, allowing for remote control via voice commands or an Android app
- **Contribution:** Completed the development of an Android application, voice recognition and control, communication between hardware and software, integration with third-party cloud services, and online deployment of the system.
- **Tools Used:** Java(Android), MQTT, RabbitMQ, MySQL

### Emoprobe - Video Comment Emotion Analysis System

[Emoprobe](#) [🔗](#)

- **Overview:** Automatically crawl and analyze video comments based on the input Bilibili video link, providing analysis results for each comment along with an overall sentiment trend.
- **Contribution:** Completed the processing and storage of video and comment information, invoked a Python program for sentiment analysis of the comments, and provided corresponding backend services to support web display.
- **Tools Used:** Java, Spring Boot, MySQL, Python

### Online Food Delivery System

2023

- **Overview:** Developed a food delivery system on WeChat Mini Program and web, featuring management for employees, menus, shopping carts, addresses, and orders, with data analysis for merchants.
- **Contribution:** Developed all backend business logic, including authentication, caching, messaging, scheduling, real-time notifications, and resource storage to optimize system performance and functionality.
- **Tools Used:** Java, Spring Boot, Redis, MySQL, Docker, Spring Task, WebSocket

## Technologies

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

**Technologies:** Spring Framework, MySQL, Redis, IntelliJ IDEA, Maven