

# Wenxiao Zhou

A highly motivated computer science student with strong programming skills and rich experience in data structures, algorithms, and software development who wants to apply his skills, make a difference in the IT field and is ready for new challenges in software development.

✉ wxzhou@bu.edu

📞 8573286931

📍 Boston

🌐 [github.com/zhouwenzhao123](https://github.com/zhouwenzhao123)

## EDUCATION

### Boston University(Master of CS) Boston,Massachusetts

09/2022 - Present

GPA:3.35

Core Curriculum:

- Software Engineering
- Database Management
- Analysis of Algorithms

### East China University of Science and Technology(Bachelor of CS) Shanghai,China

09/2018 - 05/2022

## WORK EXPERIENCE

### Summer Intern Shenwan Hongyuan Securities

07/2021 - 08/2021

Shanghai

Achievements/Tasks

- Participated in marketing research, investor education, and legal and regulatory presentations.
- Collected a large amount of complex financial data from wind, utilized python to accelerate the process of analyzing equities and funds, and selected profitable financial products.

### Summer Intern Tuhu.cn Corporation

07/2018 - 08/2018

Achievements/Tasks

- Used Apache Jmeter to do interface stress testing, created a thread group, set the name and components of the thread group, sent an HTTP request for the required components, then compared the response results, and finally viewed the results tree.

## References

### Prof. Zhang(Boston University)

Telephone:617-258-5683

E-mail:danazh@bu.edu

## SKILLS

Familiar with JavaSE , proficient in coding with good habits, knowledge of common design patterns, skilled in using common collections.

Skilled in using MySQL database, proficient in basic SQL statements.

Skilled in using excellent open-source frameworks such as Spring, SpringMVC, Spring Boot, Mybatis, Redis and common annotations.

Familiar with common Linux commands.

## PERSONAL PROJECTS

### User center

- The frontend uses the Ant Design Pro scaffolding to quickly build a basic interface and abstract reusable common templates.
- Mybatis-plus is used for data access layer development, with most common methods being reused to improve development efficiency.
- Custom unified error codes are defined, and a global exception handler is encapsulated, thereby standardizing the exception returns and shielding redundant error details in the project.
- For objects that require JSON formatting in the project, double-checked singleton pattern is used for management, reusing objects to avoid the overhead of creating duplicate objects and facilitating centralized maintenance and management.

### Partner Matching System

- A mobile website based on Vue 3 and Spring Boot 2 has been developed, providing functions such as user management, user search by tags, recommendation of similar users, and team building.
- To address the issue of slow loading of user homepages for the first visit, Spring Scheduler is used to implement cache warming through timed tasks, and distributed locks are used to ensure that the timed tasks are not executed repeatedly when deployed on multiple machines.
- To address the problem of a user joining a team multiple times or exceeding the maximum number of team members, Redisson distributed lock is used to achieve operation mutual exclusion, ensuring the idempotence of the operation.
- The edit distance algorithm is used to implement the function of matching the most similar user based on tags, and priority queue is used to reduce memory usage during TOP N calculation.
- Knife4j and Swagger are used to automatically generate backend API documents.