**Xingjian Wu**

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New York City, New York

[形状

低可信度描述已自动生成](https://www.linkedin.com/in/xingjian-wu-796093240/)[图片包含 食物, 游戏机, 玻璃, 画

描述已自动生成](https://github.com/yiyayamaya)

Master in CS Graduating in December 2023 | Seeking Software Engineer Intern for Summer 2023

**EDUCATION**

**Stevens Institute of Technology**[图标

描述已自动生成](https://www.stevens.edu/schaefer-school-engineering-science/departments/computer-science/graduate-programs/computer-science-masters-program)Hoboken, New Jersey

Master of Computer Science Jan 2022 – Dec 2023

**Southern University of Science and Technology (SUSTech)**[图标

描述已自动生成](http://www.sustech.edu.cn/en/) Shenzhen, China

Bachelor of Computer Science Sep 2016 – Jun 2020

**CORE COMPETENCIES**

**Languages:** Java, JavaScript, Python, Shell, SQL, HTML, CSS

**Tools:** Maven, Git, Jenkins, Crontab, Swagger

**Frameworks:** Spring Boot, Vue.js, Docker, React, Node.js, Express, AWS, jQuery, Bootstrap, Linux,

Apache Shiro, Spring MVC, Hibernate, MyBatis, Spring Security, JUnit, SSH

**Software:** Redis, RabbitMQ, WebSocket, Elasticsearch, MongoDB, MySQL, Nginx, Postman

**PROFESSIONAL EXPERIENCE**

**Shenzhen Sailvan Network Technology Co., Ltd.**[图标

描述已自动生成](https://www.sailvan.com/index-en.html) Shenzhen, China

Software Engineer May 2021 – Feb 2022

* Utilized database sharding with **Apache ShardingSphere** on tables containing billions of rows
* Generated millions of pieces of test data using **SQL** **Stored Procedure** to test query performance across multiple tables; optimized them by 90% by adding cover indices and redundant fields
* Separated monitoring code to a new module and reused database connection module for loosely decoupling
* Customized an alarm bot using WeChat group API to monitor the health metrics of servers through their heartbeat; further fixed a bug where long texts could not be delivered
* Refactored exporting data utils and fixed a bug relating to exceeding the character limit
* Optimized large offset queries in **SQL** pagination by 95% through editing querying clause

**SELECTED PROJECTS**

**Food Order System Similar to Uber Eats**

* Added full-text search for Chinese descriptions utilizing **Elasticsearch** and optimized Chinese words segmentation
* Implemented token-based authentication with **Spring Security** and **JWT**
* Incorporated **WebSocket** and **RabbitMQ** middleware for high availability real-time notification
* Setup a **Jenkins** build server on an **AWS EC2** instance
* Utilized **Hibernate** as ORM framework and cache-aside pattern to keep consistency between **MySQL** and **Redis**
* Integrated **Swagger** to inspect API request-responses

**Virtual Items Marketplace Monitoring and Notification System**[图标

描述已自动生成](https://github.com/yiyayamaya/luckyCrawler)

* Applied **Selenium** to simulate manual actions to scrape virtual items from marketplace websites
* Deployed the **Crontab** and **Shell** scripts to execute scraping and cleaning up of outdated data
* Designed dashboard web application to edit wish lists with **Bootstrap** and **Express.js**
* Built and deployed **Docker Compose** to Alibaba Cloud Elastic Compute Service

**Tickets Booking System**

* Integrated **Apache Shiro** to implement authentication and authorization between different roles
* Implemented RESTful API for tickets management in **Spring MVC** and designed database using **MongoDB**
* Customized and developed reusable Vue components in the **Vue.js** framework to construct web pages