Yuting Zhou

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EDUCATION

Rutgers University, New Jersey, USA   09/2024 - Present
- **Major:** M.S. student in Computer Science

Shanghai Institute of Technology, Shanghai, China   09/2020 - 06/2024
- **GPA:** 3.7, Ranking Top 10%
- **Major:** Bachelor of Engineering in Software Engineering (Undergraduate)

AWARDS & CERTIFICATES

- School-level Scholarship: 2nd Prize (2023, 2022), 3rd Prize (2022, 2021, 2020)
- Alibaba Cloud Certified Associate - Big Data
- Huawei Certified ICT Associate

PROJECTS EXPERIENCE

AyeNote Online Cloud Notes; Project Link   05/2022 - 04/2023
- Designed web crawler and data mining functions.
- Built front-end with Vue3 and developed back-end using Django.
- Utilized Python libraries for user data mining.

King of Bots (Online Web Design); Project Link   05/2022 - 11/2022
- Developed a front-end and back-end separated web application using Vue3 and SpringBoot.
- Built RESTful APIs for communication between front-end and back-end, using JSON Web Token for authentication.
- Designed and implemented the battle system with WebSocket for real-time interactions.
- Managed database operations with MySQL and enhanced UI with Bootstrap4.

King of Fighters (HTML Game Design); Project Link   02/2022 - 03/2022
- fully front-end fighting game HTML, implemented logic control with JavaScript, stored control information.
- Implemented health bar and anger modules for character duels (Microservice).

Online Management System; Project Link   12/2022 - 01/2023
- Implemented back-end with SpringBoot, MyBatis, and MySQL.
- Used MD5 encryption with salt for secure database storage.
- Built Vue3 front-end with Webpack, designed routing, and integrated Element-UI for UI components.
- Developed borrowing statistics and local image upload functionality.
- Applied Vue's reactive framework and MVC architecture, strengthening Java proficiency.

Real-time Pose Estimation (Google Movenet); Project Link   09/2023 - 05/2024
- Utilized Google Movenet model for skeletal point detection.
- Matched detected poses with predefined references for accuracy evaluation.
- Supported real-time switching between exercise types (e.g., squats, pull-ups).
- Tracked and displayed real-time movement scores.

INTERNSHIP EXPERIENCE

Shanghai Tenchii Digital Tech Co., Ltd. (Tencent x Shentong Metro Group)   06/2023 - 08/2023
Front-end Engineer, Product Technology Department   Shanghai, China
- Optimized UX performance for the official Shanghai transit App to reduce response time and improve user experience.
- Restructured and updated website features and interface to align with evolving business objectives and improve functionality across platforms.
- Developed internal interface prototypes and comprehensive operational documentation for cross-team implementation.

- Utilized Vue, HTML, CSS, and JavaScript to build layouts, styles, and interactive elements for front-end web pages.
- Collaborated closely with back-end developers.

Shanghai Spacecraft Electromechanical Equipment Co., Ltd.   06/2022 - 09/2022
Software Test Engineer, Quality Assurance Department   Shanghai, China
- Established a comprehensive testing environment, executed test cases according to detailed manuals, provided technical guidance on software installations, configurations, and hardware requirements.
- Identified and analyzed system defects and performance issues, delivering in-depth testing reports and actionable insights to improve software stability and performance.

EXTRACURRICULAR EXPERIENCE

Member, Algorithm Competition Club, Shanghai Institute of Technology   09/2022 - 05/2023
- Organized club activities, arranged equipment, assisted the president in writing course plans.

Member, P.L Software Engineering Club, Shanghai Institute of Technology   03/2021 - 05/2023
- Responsible for answering questions and resolving doubts for other club members.

Member, Robot Enthusiasts Association, Shanghai Institute of Technology   02/2021 - 05/2023
- Managed daily club administrative work, including booking classrooms and planning activities.

SKILLS & LANGUAGES

Programming Languages: C++, Java, Python
Operating Systems: Windows, Linux, MacOS
Databases: SQLite, MySQL, MongoDB
Front-end: HTML, CSS, JavaScript, Node.js, Vue3, React
Back-end: Spring, SpringBoot, SpringCloud Microservices
Languages: Bilingual in English and Chinese (Mandarin)