

Yuting Zhou

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EDUCATION

Rutgers University, New Jersey, United States

09/2024 - Now

- **Major:** Computer and Information Science (Master)

Shanghai Institute of Technology(SIT), Shanghai, China

09/2020 - 06/2024

- **Major:** Software Engineering (Bachelor of Engineering), School of Computer Science & Information Engineering (Undergraduate)
- **GPA:** 3.7, ranking top 10%

AWARDS & CERTIFICATES

Scholarship in SIT: 2nd Prize of School-level Scholarship, 2023, 2022; 3rd Prize of School-level Scholarship, 2022, 2021, 2020

Certificate: Alibaba Cloud Certified Associate - Big Data, Huawei Certified ICT Associate

RESEARCH EXPERIENCE

King of Bots (Online Web Design); Link: <https://git.acwing.com/Magicherry/kob>

05/2022 - 11/2022

- Separation of Front-end and Back-end; used SpringBoot to implement the back-end, used MySQL to achieve database management, interacted with the front-end through the controller, implemented JSON Web Token, built webpack using Vue3, completed router design, stored control information, deployed interface elements in Bootstrap4, interacted jQuery's Ajax with back-end data.
- Designed PK Interface (matching pool, matching system Microservice); designed Battle Interface (WebSocket).
- Allowed both players to use code setting strategy Bot to control their snakes (Bot pool, Bot running system, Microservice).

King of Fighters (Local Game Design); Link: <https://git.acwing.com/Magicherry/kof>

02/2022 - 03/2022

- Front-end HTML (LAN Game); built webpack using Vue3; router design; implemented logic control with JavaScript, stored control information.
- Designed health bar and anger modules, enabling both players to use the keyboard to control their character duels (running system Microservice).

Library Management (Book Borrowing Management System); Link: https://git.acwing.com/Magicherry/library_management

12/2022 - 01/2023

- Separation of Front-end and Back-end; used SpringBoot to implement the back-end, used MyBatis and MySQL to achieve database management, interacted with the front-end through the controller, used MD5 algorithm to encrypt database with salt.
- Built webpack using Vue3, completed router design, stored control information, introduced Element-UI to deploy interface elements; Designed a function that supports local image upload and borrowing statistics summary.
- Understood the use of Vue responsive framework and practical application of MVC architectural pattern, and strengthened my Java programming ability.

AyeNote Online Cloud Notes; Link: <https://git.acwing.com/Magicherry/ayenote>

05/2022 - 04/2023

- Designed web crawler and data mining functions, built the front-end with Vue3, and developed a back-end management system using Django.
- Utilized Python libraries for user data mining.

Real-time Pose Estimation (Google Movenet); Link: https://git.acwing.com/Magicherry/pose_estimation

09/2023 - 05/2024

- Utilized the Google Movenet model to detect skeletal points of the human body in the video and extract key information.
- Matched the detected pose with predefined reference poses to evaluate the accuracy of the movement.
- Supported real-time switching between different exercise types, including squats and pull-ups.
- Tracked the number of repetitions for each type of exercise.
- Displayed real-time scores and best scores based on the movement accuracy evaluation result.

COMPETITIONS

Programming Track (A), The 2022 ChuanZhi Cup, The Fifth National IT Skills Competition for College Students

12/2022

College Student C++ (B), The 14th Blue Bridge Cup National Software and Information Technology Professional Talent Competition

06/2022

INTERNSHIP EXPERIENCE

Shanghai Tenchii Digital Tech Co., Ltd. (The subsidiary of Shanghai 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 Vue2, HTML, CSS, and JavaScript to build layouts, styles, and interactive elements for front-end web pages.
- Collaborated closely with back-end developers.

Shanghai Electromechanical Equipment Co., Ltd.

06/2022 - 09/2022

Test Engineer

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, arranging equipment, assisted the president in writing course plans, etc.

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, etc.

Member, Robot Enthusiasts Association, Shanghai Institute of Technology

02/2021 - 05/2023

- Responsible for daily club administrative work, including booking classrooms, planning the time, etc.

SKILLS & LANGUAGES & INTERESTS

Programming Language: C++, Java, Python;

Operating System: Windows, Linux, MacOS; Database: SQLite, MySQL;

Front-end Framework: HTML, CSS, JavaScript, Vue3, React;

Back-end Framework: Spring, SpringBoot, SpringCloud Microservices;

Languages: Bilingual in English and Chinese (Mandarin);