

Yuting Zhou

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EDUCATION

Rutgers University , New Jersey, USA	09/2024 - Present
<ul style="list-style-type: none">• Major: M.S. student in Computer Science	
Shanghai Institute of Technology , Shanghai, China	09/2020 - 06/2024
<ul style="list-style-type: none">• GPA: 3.7, Ranking Top 10%• Major: Bachelor of Engineering in Software Engineering	

AWARDS & CERTIFICATES

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

PROJECTS EXPERIENCE

AyeNote Online Cloud Notes ; Project Link	05/2022 - 04/2023
<ul style="list-style-type: none">• Designed web crawler and data mining functions.• Built front-end with Vue3 and developed back-end using Django.	
King of Bots (Online Web Design) ; Project Link	05/2022 - 11/2022
<ul style="list-style-type: none">• 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.	
Online Management System ; Project Link	12/2022 - 01/2023
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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.	

RESEARCH EXPERIENCE

Research Assistant , RUTGERS NJT GROUP	06/2025 - Present
RUTGERS Center for Advanced Infrastructure and Transportation (CAIT)	New Jersey, United States
<ul style="list-style-type: none">• Assisted with the preparation of data for the rail network modelling project.• Enhanced the NJT Graph script and built a user-friendly Qt interface, resulting in a reliable standalone application.	

INTERNSHIP EXPERIENCE

Front-end Engineer , Product Technology Department	06/2023 - 08/2023
Shanghai Tenchii Digital Tech Co., Ltd. (Tencent x Shentong Metro Group)	Shanghai, China
<ul style="list-style-type: none">• Optimized UX performance for the official Shanghai transit App.• Restructured and updated website features and interface to align with evolving business objectives.• Developed internal interface prototypes and comprehensive operational documentation for cross-team implementation.	

- Utilized Vue, HTML, CSS, and JavaScript for front-end web pages.
- Collaborated closely with back-end developers.

Software Test Engineer, Quality Assurance Department

06/2022 - 09/2022

Shanghai Spacecraft Electromechanical Equipment Co., Ltd.

Shanghai, China

- Established a comprehensive testing environment, executed test cases, provided technical guidance on configurations and hardware requirements.
- Identified and analyzed system defects and performance issues, delivering in-depth testing reports.

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)