

Yuting Zhou

zyt680129@gmail.com | +1 (848)-230-9757

linkedin.com/in/yuting-zhou-magicherry | yutingzhouwebsite.vercel.app

EDUCATION

Rutgers University , New Jersey, US	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	

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

RESEARCH EXPERIENCE

Research Assistant Python, PyQt, Pandas, NumPy, Ollama	06/2025 - Present
RUTGERS Center for Advanced Infrastructure and Transportation (CAIT)	New Jersey, United States
• Assisted with the preparation and validation of data for the rail network modelling project.	
• Enhanced the NJT Graph script and developed a cross-platform Qt interface.	
• Integrated LLM APIs and deployed local LLMs to automate data processing and consistency checks.	

INTERNSHIP EXPERIENCE

Front-end Engineer JavaScript, Vue, WebSocket, MongoDB	06/2023 - 08/2023
Shanghai Tenchii Digital Tech Co., Ltd. (Tencent × Shanghai Metro Joint Venture)	Shanghai, China
• Optimized UX performance for the official Shanghai Transit App.	
• Restructured website features to align with evolving business objectives.	
• Assisted in developing a real-time lottery barrage system using Vue and WebSocket.	
• Developed internal interface prototypes for cross-team implementation.	
Software Test Engineer Pytest, JUnit, Selenium	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.	

PROJECT EXPERIENCE

AyeNote Online Cloud Notes Vue 3, Django, MySQL, BeautifulSoup	GitHub	05/2022 – 04/2023
• Implemented a data pipeline with BeautifulSoup to restructure large volumes of web content		
• Integrated LLM APIs to support intelligent content extraction and automated summarization		
• Built a cloud-based notes platform enabling user collaboration and real-time data updates		
King of Bots Vue 3, Spring Boot, MySQL, WebSocket, JWT	GitHub	05/2022 – 11/2022
• Built a full-stack interactive web platform combining Vue 3 and Spring Boot		
• Designed RESTful APIs with JWT authentication for secure communication		
• Developed a real-time battle system and intelligent matchmaking using WebSocket for low-latency player interactions		
• Strengthened data protection with salted MD5 hashing and reliable persistence in MySQL		
• Enhanced the user experience through a responsive Bootstrap 4 interface		
Real-time Pose Estimation MoveNet, PyTorch, TensorFlow	GitHub	09/2023 – 05/2024
• Applied Google MoveNet for fast skeletal keypoint detection with real-time responsiveness		

- Designed evaluation logic to compare detected poses against references, providing instant accuracy feedback
- Enabled recognition of multiple exercise types (squats, push-ups, pull-ups) within a single model
- Implemented live tracking and scoring features, creating an interactive workout feedback system

EXTRACURRICULAR EXPERIENCE

Member, Algorithm Competition Club, Shanghai Institute of Technology 09/2022 - 05/2023

- Organized club activities and 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 members.

Member, Robot Enthusiasts Association, Shanghai Institute of Technology 02/2021 - 05/2023

- Managed daily club administrative operations, including preparing equipment and coordinating activity planning.

SKILLS & LANGUAGES

Programming	C++, Java, Python, Go
Operating Systems	Windows, Linux, macOS
Databases	SQLite, MySQL, Redis, MongoDB
Frontend	HTML, CSS, JavaScript, Node.js, Vue 3, React, Next.js
Backend	Spring/Spring Boot, Django/Flask/FastAPI, Gin/GORM, RESTful APIs, Microservices
Containers	Docker, Kubernetes (K8s)
Data & ML	NumPy, Pandas, scikit-learn, PyTorch/TensorFlow
Languages	English, Mandarin Chinese (<i>bilingual</i>)