Zijian Wang

Email :

Mobile :

Research Interests: AI Agent, Multi-Agents System, Large Language Model

EDUCATION

The Chinese University of Hong Kong (CUHK) Sep.2023 - Aug.2024
Master of Science in Computer Science GPA: **3.59/4.00**

Hong Kong Metropolitan University (HKMU) Sep.2019 - July.2023
Bachelor of Computing with Honours in Internet Technology GPA: **3.67/4.00**
Graduated with the First Class Honours

RESEARCH EXPERIENCE

Research Assistant | IMCL Lab, The Hong Kong Polytechnic University Aug.2025 - Feb.2026

- Developed a multimodal, multi-agent job interview simulation platform for interview practices.

Research Assistant | Hong Kong Metropolitan University June.2024 - July.2025

- Researched LLM architecture modifications, including encoder-to-MoE transitions and customized loss functions.
- Surveyed RAG applications in education, summarizing 50+ studies and identifying key trends, challenges, and future directions.
- Served as a reviewer for ACL, EMNLP, and Natural Language Processing Journal.

PUBLICATIONS

[1] Zongxi Li et al. "Retrieval-augmented generation for educational application: A systematic survey". In: *Computers and Education: Artificial Intelligence* 8 (2025), p. 100417. ISSN: 2666-920X

[2] Zijian Wang et al. "American Sign Language Alphabet Recognition with YOLOv5 Enhanced by MediaPipe Hands". In: *2023 8th International Conference on Instrumentation, Control, and Automation (ICA)*. IEEE. 2023, pp. 103–108

AWARDS AND SCHOLARSHIPS

- Distinguished Academic Performance Scholarship, CUHK 2024
- Master Entrance Scholarship, CUHK 2023
- **Winner of Council Medal** (Highest achiever in honours program), HKMU 2023
- **Outstanding Performance Scholarship**, Hong Kong SAR Government 2023
- Outstanding Student Scholarship, HKMU 2022
- Dean's List, HKMU 2020, 2021, 2022, 2023
- Outstanding Student Award, HKMU 2020, 2021, 2022, 2023

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, HTML/CSS, SQL
Frameworks and Libraries: PyTorch, Pytorch Geometric, Transformers