Jingyu Zhou

Education

Artificial Intellegence, SJTU Sept. 2023 – Present
GPA 4.04/4.30, Rank 4/95 *Minhang, Shanghai*
Zhiyuan Honor Program, SJTU Sept. 2023 – Present
Top 10% of SJTU with advanced coursework *Minhang, Shanghai*

Experience

GAIR, SJTU & Qing Yuan Research Institute Jan. 2025 - Present
Research Intern *Minhang, Shanghai*
IPADS, SJTU Dec. 2024 - Present
Research Intern *Minhang, Shanghai*
RHOS, SJTU & Qing Yuan Research Institute Sept. 2024 – Jan. 2025
Research Intern *Minhang, Shanghai*

- We propose that the current definition of modalities is inadequate. Instead of defining modalities based on sensory modalities (e.g., human or machine), they should be redefined in terms of task-specific requirements.
- Thus I joined a research team focused on multimodal machine learning, with an emphasis on Large Language Models (LLMs), under the guidance of my mentor.

X-LANCE, SJTU Feb. 2024 – Sept. 2024
Research Intern *Minhang, Shanghai*

- Contributed to the preparation of a tutorial report on *TTS Based on Discrete Representations* for NCMMSC 2024, specifically focusing on ASR probe experiments.
- Conducted a comprehensive comparison of three types of TTS models (reconstruction, classification, and hybrid) against traditional continuous representations, demonstrating that discrete representations are comparable or superior performance to continuous representations under specific conditions. This finding offers valuable insights for future TTS model development.

Honors and Awards

Shanghai Scholarship, 2024

- Awarded to the **TOP 2%** of students in Shanghai.

Zhiyuan Honors Scholarship, SJTU, 2023 & 2024

- Awarded to the **TOP 5%** of students in the Zhiyuan Honor Program.

Merit Scholarship, B level, SJTU, 2024

- Awarded to the **TOP 5%** of students at SJTU.

Projects

aiTour Jan. 2024 – Present

- Developed an open-source resource to assist AI self-learners, providing hands-on tutorials and conceptual overviews. Hosted on a public repository with over 2000 views.

Courses

A^+ Courses: Program Design(Honor), Discrete Math(Honor), Linear Algebra(Honor), Math Analysis(Honor), Artificial Intelligence Problem Solving and Practice, Data Structure(Honor), Digital Electronics, Programming Practices of Artificial Intelligence, Physical Education

Extracurricular Courses: UCB CS61a, UCB CS61b, Stanford CS229, Stanford CS224n, Stanford CS236, University of Michigan EECS 498.008, MIT RES.6-012

Planning To Take: CMU 15-213, MIT 6.S081

Skills & Interests

Skills: Python(Pytorch, numpy), Probability, Machine Learning, Deep Learning, Basic Use of Linux

Interests: Natural Language Processing, (Multimodal) Machine Learning

189-9065-8207 | jy_zhou@sjtu.edu.cn | Academic Homepage