MING YAN

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EDUCATION

University of Science and Technology of China (USTC) *Sept.2021 – Jun.2025 (Expected)*
Bachelor in Computer Science and Technology, School of Computer Science and Technology

- **GPA**: 3.87/4.3 **Weighted Average**: 90.25/100 **Ranking**: Top 10%

RESEARCH INTERESTS

Recommendation System, Natural Language Processing(NLP), Large Language Model(LLM)

RESEARCH EXPERIENCES

Research on LLM-based Recommendation Methods for Modeling Dynamic User Interests
May.2024 – Present

Instructor: Prof. Tat-seng Chua , National University of Singapore

- Explore adapting LLM-based recommenders to dynamic user interests without requiring any model-level updates.
- Propose a novel approach for tailoring recommendation-specific in-context learning in LLMs to enable real-time recommendations.

Research on Methods for Injecting Collaborative Information into Large Model-based Recommendation Systems
Nov.2023 – Feb.2024

Instructor: Prof. Xiangnan He, University of Science and Technology of China

- Explore the significance of text-like encoding for collaborative information in LLMRec to enhance alignment with LLMs.
- Introduce a novel method that efficiently encodes collaborative information textually for LLMs by converting collaborative embeddings into binary sequences.

PUBLICATIONS

[1] Yang Zhang, Keqin Bao, **Ming Yan**, Wenjie Wang, Fuli Feng, Xiangnan He. *Text-like Encoding of Collaborative Information in Large Language Models for Recommendation.* ACL 2024.

[2] Keqin Bao*, **Ming Yan***, Yang Zhang, Jizhi Zhang, Wenjie Wang, Fuli Feng, Xiangnan He. *Real-Time Personalization for LLM-based Recommendation with Customized In-Context Learning.* Under Review at WWW 2025.

CORE COURSES

An Introduction to Database System(95/100)
Foundations of Algorithms(90/100)
Data Structure(95/100)
Graph Theory(89/100)
Fundamental of Artificial Intelligence(95/100)
Computer Networks(94/100)
Computer Organization(95/100)
Algebraic Structure(97/100)

TEACHING EXPERIENCE

Teaching Assistant
Computer Programming (undergraduate course) *2023 Autumn*
Main Work: Responsible for tutorials on theory and experiments, as well as grading assignments.

ACADEMIC PROJECTS

Reformulating the Microkernel Operating System seL4 in Rust *Spring.2023*
Instructor: Prof. Kai Xing, University of Science and Technology of China

- Course project of Operating System.
- Utilize rust, a programming language known for its secure, to rewrite a micro kernel –sel4.

Development of 5-level Pipelined RISC-V CPU using Verilog and Vivado *Spring.2023*
Instructor: Prof. Chao Wang, University of Science and Technology of China

- Course project of Computer Organization.
- Design a micro CPU using Verilog and Vivado.

SKILLS

Programming Languages: C, C++, Python, SQL, Latex, Shell, Markdown, Verilog

AWARDS

Silver Award for Outstanding Student Scholarship *Sept.2023*
Jianghuaiweilai Scholarship (awarded to few outstanding students) *Sept.2022*
Silver Award for Outstanding Student Scholarship *Sept.2021*

STANDARDIZED TESTS

TOEFL 86 (Reading: 27, Listening: 18, Speaking: 21, Writing: 20)