Shangjian Yin

CS Ph.D. Student at UC Riverside

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Education

University of California, Riverside (UCR) **Ph.D. in Computer Science**
LLM Alignment, RLHF, Effective Synthetic Data. Advisor: Zhouxing Shi Sep. 2025 – Present

South China Agricultural University (SCAU) **B.S. in Computer Science**
Spoken Language Understanding and LLM for Language Understanding Sep. 2021 – Jun. 2025

Experience

University of California, Riverside (Riverside, USA) **Graduate Student Researcher**
Advisor: Zhouxing Shi Sep. 2025 – Present

Microsoft AI Asia(Beijing, China) **Research Intern**
Mentor: Shining Liang Apr. 2025 – Sep. 2025

University of Virginia (Remote) **Research Intern**
Advisor: Yu Meng Jun. 2024 – Feb. 2025

South China Agricultural University (Guangzhou, China) **Student Researcher**
Advisor: Peijie Huang Apr. 2022 – May 2024

Publications

LLM Alignment & Effective Data Synthesis

PIKA: Expert-Level Synthetic Datasets for Post-Training Alignment from Scratch
Under review 2025
Shangjian Yin, Shining Liang, Wenbiao Ding, Yuli Qian, Zhouxing Shi, Honghli Li, Yutao Xie

WorldAlignment: Benchmarking Expert-Level Human Preference Alignment across Domains and Aspects
Under review 2025
Shangjian Yin, Shining Liang, Wenbiao Ding, Yuli Qian, Zhouxing Shi, Honghli Li, Yutao Xie

Align Large Language Model with Human Preference via Extremely Self-Synthetic Data
Under review 2025
Shangjian Yin, Zhepei Wei, Xinyu Zhu, Wei-Lin Chen, Yu Meng

LLM for Language Understanding & Spoken Language Understanding

ECLM: Entity-Level Large Language Model for Spoken Language Understanding with Chain of Intent
The 63rd Annual Meeting of the Association for Computational Linguistics (ACL'25) 2025
Shangjian Yin, Peijie Huang, Yuhong Xu, Haojing Huang, Jiatian Chen

MIDLM: Multi-Intent Detection with Bidirectional Large Language Models
The 31st International Conference on Computational Linguistics (COLING'25) 2025
Shangjian Yin, Peijie Huang, Yuhong Xu

Uni-MIS: United Multiple Intent Spoken Language Understanding via Multi-View Intent-Slot Interaction
The 38th Annual AAAI Conference on Artificial Intelligence (AAAI'24) 2024
Shangjian Yin, Peijie Huang, Yuhong Xu

A Multi-Intent Fusion Framework for Joint Intent Detection and Slot Filling
The 23rd China National Conference on Computational Linguistics (CCL'23) 2023
Shangjian Yin, Peijie Huang, Dongzhu Liang, Zhuoqi He, Qianer Li, Yuhong Xu

Collaborative Works

Joint-Span: Unified Span-level Joint Model for Multiple Intent Detection and Slot Filling
Under review 2025
Zhanbiao Zhu, Peijie Huang, **Shangjian Yin**, Qianer Li, Yuhong Xu

ELSF: Entity-Level Slot Filling Framework for Joint Multiple Intent Detection and Slot Filling
IEEE/ACM Transactions on Audio, Speech, and Language Processing (TASLP) 2024
Zhanbiao Zhu, Peijie Huang, Haojing Huang, ... , **Shangjian Yin**

Generating and Encouraging: An Effective Framework for Solving Class Imbalance in Multimodal Emotion Recognition Conversation
Engineering Applications of Artificial Intelligence (EAAI) 2024
Qianer Li, Peijie Huang, Yuhong Xu, Jiawei Chen, Yuyang Deng, **Shangjian Yin**

Academic Activities

Conference Presentations: Presented academic posters at CCL'23 (Harbin, China) and AAAI'24 (Vancouver, Canada), showcasing research on multi-intent spoken language understanding frameworks.

Academic Service: Served as reviewer for major AI/NLP conferences and journals including NLPCC'24, EMNLP'24, COLING'25, ICLR'25, AAAI'26 and ICLR'26.

Skills & Specialties

Languages: Proficient in English; Native in Mandarin and Cantonese
Programming: Python, Java, C++, Vue.js, Bash, Markdown, LaTeX
Deep Learning: Experienced with PyTorch and LLM Fine-Tuning (SFT, RLHF)
Interests: Music, Table Tennis, Badminton, Swimming

Awards & Honors

Departmental Fellowship, CSE Department at UC Riverside Sep 2025
Third Scholarship, South China Agricultural University Oct 2023
First Prize in 14th Blue Bridge Cup National Competition May 2023
Third Prize in Market Research and Analysis Competition, Zhengda Cup Apr 2023
Second Prize in 3rd Greater Bay Area Cup, Financial Mathematics Modeling Dec 2022
Third Prize in National College Students' Mathematics Modeling Competition Sep 2022