Sinan Wang

(+86) 150-0270-9274 · sinanwang@hust.edu.cn · github.com/wsn18381187

Education Background

Huazhong University of Science and Technology 2023 Sep – 2027 Jun

Computer Science Undergrad Weighted Ave.: 83.2/100 English Proficiency: IELTS (Score: 6.5)

National University of Singapore, School of Computing 2024 Jul

Summer Workshop Structure and Interpretation of Computer Programs Leader in team project

Skills

C/C++, Python(Pytorch, Transformers, vllm), Git, Latex, Data Structures and Algorithms

Awards

Honorable Mention **MCM/ICM** 2025 May

Research Projects

Are We on the Right Way to Assessing LLM-as-a-Judge?

Under review at EMNLPS 2026. HUST One Lab | 2025 Aug – Present

Yuanning Feng*, **Sinan Wang***, Zhengxiang Cheng, Yao Wan, Dongping Chen [Arxiv][Github]

- **Research Area**: LLM-as-a-Judge, Human Free Evaluation Metric
- **Key Points**: Identified "situational preference" in LLMs; Proposed a label-free metric to evaluate LLM's robustness that achieved high correlation with state-of-the-art benchmarks.
- **Contribution**: Experiment design, all code implementation, results visualization, and methodology writing.

MultiRef: Controllable Image Generation with Multiple Visual References

Accepted by ACM MM 2025. HUST One Lab | 2025 Mar – 2025 Jun

Ruoxi Chen, Dongping Chen, Siyuan Wu, **Sinan Wang**, Shiyun Lang, Petr Sushko, Gaoyang Jiang, Yao Wan, Ranjay Krishna [Arxiv][Hugging Face]

- **Research Area**: Multimodal AIGC, Controllable Image Generation, Evaluation Benchmarking
- **Key Points**: Developed RefBlend, a data engine for synthesizing complex multi-reference image-text pairs; analyzed the performance of agentic frameworks vs. end-to-end models.
- **Contribution**: Curated the MultiRef dataset and benchmark, managed its open-source hosting on Hugging Face.

Reinforced Visual Perception with Tools

HUST One Lab | 2025 Jan – 2025 May

Zetong Zhou, Dongping Chen, Zixian Ma, Zhihan Hu, Mingyang Fu, **Sinan Wang**, Yao Wan, Zhou Zhao, Ranjay Krishna [Arxiv]

- **Research Area**: MLLM, Reinforcement Learning, Visual Reasoning, Tool usage
- **Key Points**: Integrating GRPO to empower MLLMs to autonomously utilize visual tools for complex reasoning; developed a novel RL-based training pipeline for tool-augmented perception.
- **Contribution**: Contributed to baseline reproduction and dataset construction to enable effective RL-driven training for visual tool-usage.