Shu Pu

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EDUCATION

Sep 2022- Jun 2026 (Expected)   Huazhong University of Science and Technology   Computer Science and Technology
Grade: 4.14/5, Rank: 12/35
Degree: Bachelor of Science
Major: Excellent engineer in Computer Science and Technology

In Submission

- **ICLR 2025** in Rebuttal 8—8—8—6—6, Dongping Chen *, Ruoxi Chen *, **Shu Pu** *, · · ·, Ranjay Krishna, Yao Wan. ***ISG-Bench***: *Interleaved Scene Graph for Text-to-Image Generation Assessment* [PDF]
- **CVPR 2025** in Submission, Haojie Zheng *, Tianyang Xu *, Hanchi Sun, **Shu Pu**, Ruoxi Chen, Lichao Sun. ***Thinking Before Looking***: *Improving Multimodal LLM Reasoning via Mitigating Visual Hallucination* [PDF]

Future Plan

- *MLLM as a judge++* [Proposal], aiming on ICML

Experience

Research Internship in HUST, Supervised by Associate Professor Yao Wan
Part-time, Research Intern
June 2024 – Present

- Researching on Unified generation models and their interleaved generation capabilities. We propose a benchmark **ISG-Bench** focusing on evaluating model's interleaved image-text generation capability and propose a brand-new evaluation metrics for interleaved context using scene graph.

Online Research Internship in Lehigh University, Supervised by Assistant Professor Lichao Sun
Part-time, Research Intern
June 2024 – Sep 2024

- Research on MLLM-based multi-agent frameworks. We propose a framework to reduce the hallucination and enhance the reasoning ability of Multimodal Large Language Models. **Thinking Before Looking**

Skills

Language: Mandarin (native, English (TOFEL 102).
Research Abilities: Proficient in coding and programming using python; Knowledge and experience in Multi-modal Perception and information retrieval, Text2Image Generation, LLM-based Agents and prompt engineering.
Interesting Field: Besides all the research I did, I'm also a motivated Computer Graphics learner, especially in 3D AIGC. I believe it is much more worthwhile to integrate AI into our daily use.

Others

Research is not all I need.
Hobbies: Football, Swimming, R&B.