Sihan Yang

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EDUCATION

University of Electronic Science and Technology of China — Chengdu, China
Bachelor of Software Engineering — *Sep. 2022 - Present*
GPA: 3.99/4.0; Weighted Average: 94.29/100; Ranking: 1/88, 1/718

RESEARCH EXPERIENCE

OpenRobot Lab, Shanghai AI Lab — Onsite
Research Intern advised by Tai Wang — *Nov. 2024 - Present*

Department of Computer Science and Data Science, UNC — Remote
Research Intern advised by Prof. Huaxiu Yao — *Apr. 2024 - Nov. 2024*

RESEARCH INTERESTS

- Large language models and multimodal large language models

- Efficient training and inference

- Foundation Model Architectures

PUBLICATIONS AND PROJECTS

(* Equal contribution; † Corresponding author; ‡ Project leader)

[1] ***VFlowOpt: A Token Pruning Framework for LMMs with Visual Information Flow-Guided Optimization***
ICCV 2025
Sihan Yang, Runsen Xu, Chenhang Cui, Tai Wang, Dahua Lin, Jiangmiao Pang

[2] *Calibrated Self-Rewarding Vision Language Models*
NeurIPS 2024
Yiyang Zhou*, Zhiyuan Fan*, Dongjie Cheng*, **Sihan Yang**, Zhaorun Chen, Chenhang Cui, Xiyao Wang, Yun Li, Linjun Zhang, Huaxiu Yao

[3] *Improving Alignment in LVLMs with Debiased Self-Judgment*
EMNLP 2025: Under review; ACL Rolling Review (Feb.): Ratings 3.5, 3, 2.5
Sihan Yang*, Chenhang Cui*, Zihao Zhao, Yiyang Zhou, Weilong Yan, Ying Wei, Huaxiu Yao

[4] *MMSI-Bench: A Benchmark for Multi-Image Spatial Intelligence*
Submitted to **NeurIPS 2025**
Sihan Yang*, Runsen Xu*‡, Yiman Xie, Sizhe Yang, Mo Li, Jingli Lin, Chenming Zhu, Xiaochen Chen, Haodong Duan, Xiangyu Yue, Dahua Lin, Tai Wang†, Jiangmiao Pang†

[5] *Safety vs. Capability: Evaluating the Risks of GUI Agents in Executable OS Environments*
Submitted to **NeurIPS 2025**
Chenhang Cui*, Binyun Yang*, **Sihan Yang**, Jingnan Zheng, Gelei Deng, Zhenkai Liang, An Zhang, Tat-Seng Chua

HONORS AND AWARDS

- SenseTime Scholarship 2025 (awarded annually to 30 undergraduates in the field of AI from across China)
- National Scholarship for 2022/2023 Academic Year
- National Scholarship for 2023/2024 Academic Year

SKILLS SUMMARY

- **Languages**: Chinese (Native), English (CET-4: 573, CET-6: 584)
- **Programming languages**: Python, C, C++, Java
- **Technical Skills**: Git, LaTeX