Sifan Li

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About Me

I am currently in the final year of my M.S. program at Liaoning University. I have previously been a visiting student at HKUST-GZ under the supervision of Dr. Bingzhuo Zhong, and at Peking University under the supervision of Dr. Hao Tang. I am now a research intern at vivo Co., Ltd. and the University of California, Merced, working under the supervision of Dr. Yiwei Wang.

My research interests include NLP, multimodal LLMs, human-like models, computer vision, Diffusion Models on T2I, Diffusion Models on LLM, efficient training and inference, multimedia quality assessment, controllable T2I, AIGC, world model *etc.*

I am actively seeking Ph.D. opportunities.

Employments

vivo Mobile Communication Co., Ltd.   June 2025 – Now
- Assistant Algorithm Engineer in NLP

University of California, Merced   Sept. 2024 – Now
- Research Intern advised by Asst. Prof. Yiwei Wang

Peking University   June 2024 – June 2025
- Visiting Student advised by Asst. Prof. Hao Tang

Hong Kong University of Science and Technology (Guangzhou)   Dec. 2023 – Dec. 2024
- Research Assistant advised by Asst. Prof. Bingzhuo Zhong

Education

Liaoning Univresity   Sept. 2023 – Now
- M.S., Computer Science, advised by Assoc. Prof. Yun Liu

Shenyang Jianzhu University   Sept. 2017 – June 2021
- B.E., Computer Science,
- Thesis title: *Practical C#-Based System for Contour Display and Camber Recognition of Steel Plates*

Publications

[1] **S. Li**, Y. Cai, and Y. Wang, SemVink: Advancing VLMs' Semantic Understanding of Optical Illusions via Visual Global Thinking. 2025. [Online]. Available: https://arxiv.org/abs/2506.02803. (*Accepted to the main conference of EMNLP 2025.*)

[2] **S. Li**, Y. Cai, B. Hooi, N. Peng, and Y. Wang, Do "New Snow Tablets" Contain Snow? Large Language Models Over-Rely on Names to Identify Ingredients of Chinese Drugs. 2025. [Online]. Available: https://arxiv.org/abs/2504.03786.

[3] **S. Li**, M. Tao, H. Zhao, L. Shao, and H. Tang, Replace in Translation: Boost Concept Alignment in Counterfactual Text-to-Image. 2025. [Online]. Available: https://arxiv.org/abs/2505.14341.

[4] Y. Liu, **S. Li**, H. Duan, Y. Zhou, D. Fan, and G. Zhai, "Multi-Task Guided No-Reference Omnidirectional Image Quality Assessment With Feature Interaction," IEEE Transactions on Circuits and Systems for Video Technology, vol. 35, no. 9, pp. 8794–8806, 2025, doi: 10.1109/TCSVT.2025.3551723.

[5] Y. Liu, **S. Li**, D. Fan, H. Duan, and P. Jing, "TFFN: Three-Branch Feature Fusion Network for Stereoscopic Omnidirectional Image Quality Assessment," IEEE Transactions on Multimedia (*accepted*), 2025.

[6] Y. Liu, **S. Li**, Z. Liu, H. Wang, and D. Fan, "BPGI: A Brain-Perception Guided Interactive Network for Stereoscopic Omnidirectional Image Quality Assessment," IEEE Open Journal on Immersive Displays (*accepted*), 2025.

[7] Y. Liu, Z. Wen, **S. Li**, D. Fan, and G. Zhai, "Image Aesthetics Assessment Based on Visual Perception and Textual Semantic Understanding," in Digital Multimedia Communications, 2024, pp. 39–53. doi: https://doi.org/10.1007/978-981-97-3626-3_4.

[8] Y. Liu, Z. Wen, M. Jin, D. Fan, **S. Li**, B. Liu, J. Jiang, and X. Xiao, "A Multimodal Fake News Detection Model with Self-supervised Unimodal Label Generation," in Advanced Intelligent Computing Technology and Applications, 2024, pp. 130–141. doi: https://doi.org/10.1007/978-981-97-5603-2_11.

Technologies

Natural Languages: Native Chinese, English, and Spanish.

Programming Languages: Python, C, C++, C#, Java, SQL, LaTeX, . . .

Web Development: HTML, CSS, JavaScript, Apache Web Server, Tomcat Web Server, . . .