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] **Sifan Li**, Hongkai Chen, Yujun Cai, Qingwen Ye, Liyang Chen, Junsong Yuan, and Yiwei Wang. Vision Language Models Map Logos to Text via Semantic Entanglement in the Visual Projector. 2025. *arχiv preprint:* `https://arxiv.org/abs/2510.12287`.

[2] **Sifan Li**, Yujun Cai, and Yiwei Wang. SemVink: Advancing VLMs' Semantic Understanding of Optical Illusions via Visual Global Thinking. 2025. *arχiv preprint:* `https://arxiv.org/abs/2506.02803`. (***Accepted to the Main Conference of EMNLP 2025.***)

[3] **Sifan Li**, Yujun Cai, Bryan Hooi, Nanyun Peng, and Yiwei Wang. Do "New Snow Tablets" Contain Snow? Large Language Models Over-Rely on Names to Identify Ingredients of Chinese Drugs. 2025. *arχiv preprint:* `https://arxiv.org/abs/2504.03786`.

[4] **Sifan Li**, Ming Tao, Hao Zhao, Ling Shao, and Hao Tang. Replace in Translation: Boost Concept Alignment in Counterfactual Text-to-Image. 2025. *arχiv preprint:* `https://arxiv.org/abs/2505.14341`.

[5] Yun Liu, **Sifan Li**, Huiyu Duan, Yu Zhou, Daoxin Fan, and Guangtao Zhai. Multi-Task Guided No-Reference Omnidirectional Image Quality Assessment With Feature Interaction. In *IEEE Transactions on Circuits and Systems for Video Technology*, vol. 35, no. 9, pp. 8794-8806, 2025, doi: 10.1109/TCSVT.2025.3551723.

[6] Yun Liu, **Sifan Li**, Daoxin Fan, Huiyu Duan, and Peiguang Jing. TFFN: Three-Branch Feature Fusion Network for Stereoscopic Omnidirectional Image Quality Assessment. In *IEEE Transactions on Multimedia*, 2025. (*Accepted.*)

[7] Yun Liu, **Sifan Li**, Zihan Liu, Haiyuan Wang, and Daoxin Fan. BPGI: A Brain-Perception Guided Interactive Network for Stereoscopic Omnidirectional Image Quality Assessment. In *IEEE Open Journal on Immersive Displays*, vol. 2, pp. 81-88, 2025, doi: 10.1109/OJID.2025.3610449.

[8] Yun Liu, Zhipeng Wen, **Sifan Li**, Daoxin Fan, and Guangtao Zhai. Image Aesthetics Assessment Based on Visual Perception and Textual Semantic Understanding. In *Digital Multimedia Communications*, pp. 39-53, 2024, doi: 10.1007/978-981-97-3626-3_4.

[9] Yun Liu, Zhipeng Wen, Minzhu Jin, Daoxin Fan, **Sifan Li**, Bo Liu, Jinhe Jiang, and Xianda Xiao. A Multimodal Fake News Detection Model with Self-supervised Unimodal Label Generation. In *Advanced Intelligent Computing Technology and Applications*, pp. 130-141, 2024, doi: 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, . . .