Sifan Li, M.S. Student

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https://johnnyzeppelin.github.io/myResume/

Research Interests

- NLP, multimodal LLMs, computer vision, machine learning, linguistics, image and video processing, efficient training and inference, multimedia quality assessment, T2I, AIGC, *etc.*

Education

2023 – **M.S., Computer Science, Liaoning University**
Advised by Assoc. Prof. Yun Liu.

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

Research Publications

1. **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. arXiv: 2504.03786 [cs.CL]. URL: https://arxiv.org/abs/2504.03786.
2. **S. Li**, Y. Cai, and Y. Wang, *Hidden in plain sight: Vision-language models' blind spot for optical illusions*, 2025.
3. **S. Li**, M. Tao, H. Zhao, L. Shao, and H. Tang, *Replace in translation: Boost concept alignment in counterfactual text-to-image*, 2025. arXiv: 2505.14341 [cs.CV]. URL: https://arxiv.org/abs/2505.14341.
4. Y. Liu, **S. Li**, H. Duan, Y. Zhou, D. Fan, and G. Zhai, "Multi-task guided blind omnidirectional image quality assessment with feature interaction," *IEEE Transactions on Circuits and Systems for Video Technology*, pp. 1–1, 2025. DOI: 10.1109/TCSVT.2025.3551723.
5. Y. Liu, **S. Li**, D. Fan, *et al.*, "Tffn: Three-branch feature fusion network for stereoscopic omnidirectional image quality assessment," *IEEE Transactions on Multimedia (ongoing review)*, 2025.
6. Y. Liu, Z. Wen, M. Jin, *et al.*, "A multimodal fake news detection model with self-supervised unimodal label generation," in *Advanced Intelligent Computing Technology and Applications*, D.-S. Huang, W. Chen, and Y. Pan, Eds., Singapore: Springer Nature Singapore, 2024, pp. 130–141, ISBN: 978-981-97-5603-2. DOI: https://doi.org/10.1007/978-981-97-5603-2_11.
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*, G. Zhai, J. Zhou, L. Ye, H. Yang, P. An, and X. Yang, Eds., Singapore: Springer Nature Singapore, 2024, pp. 39–53, ISBN: 978-981-97-3626-3. DOI: https://doi.org/10.1007/978-981-97-3626-3_4.

Skills

Languages	English and Chinese Mandarin.
Coding	Python, C, C++, C#, Java, SQL, LaTeX, …
Databases	MySQL, ORACLE.
Web Dev	HTML, CSS, JavaScript, Apache Web Server, Tomcat Web Server.
Misc.	Academic research, teaching, training, consultation, LaTeX typesetting and publishing.