

XINPENG LI

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EDUCATION

- University of Texas at Dallas**, Dallas, TX, U.S.A. *Aug. 2024 - Present*
Doctor of Philosophy in Computer Science
Advisor: Prof. [Yapeng Tian](#)
- South China University of Technology**, Guangzhou, P.R.China *Sept. 2018 - June 2021*
Master of Engineering in Signal and Information Processing
Advisor: Prof. [Dacheng Tao](#)
- South China University of Technology**, Guangzhou, P.R.China *Sept. 2014 - June 2018*
Bachelor of Engineering in Information Engineering

RESEARCH EXPERIENCE

- Computer Vision and Multimodal Computing Lab, UT Dallas** *Aug. 2024 - Present*
Research Assistant *Supervisor: Prof. [Yapeng Tian](#)*
Studied multimodal social interaction understanding on audio and video signals.
- MIPS Lab, SZTU & VIP Lab, SUSTech** *Jun. 2021 - Jul. 2024*
Research Assistant *Mentors: Profs. [Xiaojiang Peng](#), [Feng Zheng](#), [Jinbao Wang](#)*
Contributed on railway detection, context-aware emotion recognition and 3D anomaly detection.

SELECTED PUBLICATIONS

- Omni-MMSI: Towards Identity-aware Social Interaction Understanding.** [[Website](#)]
IEEE Conference on Computer Vision and Pattern Recognition, 2026.
- Towards Online Multi-Modal Social Interaction Understanding.** [[Website](#)]
Transactions on Machine Learning Research, 2026.
- Facial Action Units as A Bridge of Joint Dataset Training.** [[PDF](#)]
IEEE Transactions on Multimedia, 2025.
- Single-stage Emotion Recognition with Decoupled Subject-context Transformer.** [[PDF](#)]
ACM International Conference on Multimedia, 2024.
- Real3D-AD: A Dataset of Point Cloud Anomaly Detection.** [[PDF](#)]
NeurIPS Datasets and Benchmarks Track, 2023.
- Rail Detection: An Efficient Row-based Network and A New Benchmark.** [[PDF](#)]
ACM International Conference on Multimedia, 2022.

HONORS AND SERVICES

- Honors:** Chinese national encouragement scholarship 2016
Reviewer: ACM Multimedia 2023, ACM Multimedia 2024, ICCV 2025, CVPR 2026
Teaching Assistant: Computer Science II Summer'25, Operating System Fall'25 & Spring'26