

XINPENG LI

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EDUCATION

University of Texas at Dallas, Dallas, TX, U.S.A.

Aug. 2024 - Present

Ph.D. in Computer Science

Advisor: Prof. [Yapeng Tian](#)

South China University of Technology, Guangzhou, P.R.China

Sept. 2018 - June 2021

M.Eng. in Signal and Information Processing

Advisor: Prof. [Dacheng Tao](#)

South China University of Technology, Guangzhou, P.R.China

Sept. 2014 - June 2018

B.Eng. in Information Engineering

Advisor: Prof. [Fangjiong Chen](#)

PUBLICATIONS

1. **Two in One Go: Single-stage Emotion Recognition with Decoupled Subject-context Transformer.** [\[PDF\]](#) [\[Code\]](#)
Xinpeng Li, Teng Wang, Jian Zhao, Shuyi Mao, Jinbao Wang, Feng Zheng, Xiaojiang Peng, Xuelong Li.
ACM Multimedia, 2024.
2. **Facial Action Units as A Bridge of Joint Dataset Training for Facial Expression Recognition.** [\[PDF\]](#) [\[Code\]](#)
Shuyi Mao, **Xinpeng Li**, Fan Zhang, Xiaojiang Peng, Yang Yang.
IEEE Transactions on Multimedia, 2024.
3. **Real3D-AD: A Dataset of Point Cloud Anomaly Detection.** [\[PDF\]](#) [\[Code\]](#)
Jiaqi Liu, Guoyang Xie, Ruitao Chen, **Xinpeng Li**, Jinbao Wang, Yong Liu, Chengjie Wang, Feng Zheng.
NeurIPS Datasets and Benchmarks Track, 2023.
4. **Rail Detection: An Efficient Row-based Network and A New Benchmark.** [\[PDF\]](#) [\[Code\]](#)
Xinpeng Li, Xiaojiang Peng.
ACM Multimedia, 2022.
5. **Sequential Interactive Biased Network for Context-Aware Emotion Recognition.** [\[PDF\]](#) [\[Code\]](#)
Xinpeng Li, Xiaojiang Peng, Changxing Ding.
International Joint Conference on Biometrics, 2021.

EXPERIENCE

Computer Vision and Multimodal Computing Lab, UT Dallas

Aug. 2024 - Present

Research Assistant

Supervisor: Prof. [Yapeng Tian](#)

MLLM-based social interaction understanding

MIPS Lab, Shenzhen Technology University

July 2023 - July 2024

Research Assistant

Mentor: Prof. [Xiaojiang Peng](#)

MLLM-based visual emotion recognition

VIP Lab, Southern University of Science and Technology*Jan. 2023 - June 2023*

Research Assistant

Mentor: Prof. [Feng Zheng](#) & Prof. [Jinbao Wang](#)

3D anomaly detection

MIPS Lab, Shenzhen Technology University*June 2021 - Dec. 2022*

Research Assistant

Mentor: Prof. [Xiaojiang Peng](#)

Visual emotion recognition and rail detection

Gorilla Lab, South China University of Technology*June 2017 - June 2021*

Graduate Research Assistant

Supervisor: Prof. [Dacheng Tao](#) & Prof. [Changxing Ding](#)

Visual emotion generation and recognition

ARCCA Lab, South China University of Technology*July 2016 - May 2017*

Undergraduate Research Assistant

Supervisor: Prof. [Fangjiong Chen](#)

Underwater operated vehicle building

HONORS & AWARDS

Ranked in the Top 11% in Competition on Affective Behavior Analysis in-the-wild (ECCV) *2022*Ranked in the Top 6% in Multimodal Sentiment Analysis Challenge (ACM MM) *2021*Ranked in the Top 9% in Short Video Face Parsing Challenge (CVPR) *2021*Outstanding Minister, South China University of Technology *2021, 2016, 2015*Ranked in the Top 10% in Face Segmentation Using Short Video Clips (CSIG) *2020*Third-class scholarship, South China University of Technology *2020, 2019, 2016*First-class scholarship, South China University of Technology *2018*Excellence Award in OI China Underwater Robot Competition *2017*Second-class scholarship, South China University of Technology *2017, 2015*Third-class Award in Electronic Design Competition, Guangdong Province *2016*Chinese National Encouragement Scholarship (Top 4%) *2016***ACADEMIC SERVICES**

Conference Reviewer: ACM Multimedia 2024, ACM Multimedia 2023