

# XINPENG LI

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## EDUCATION

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- 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

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- 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.*
- 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.*
- 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.*
- Rail Detection: An Efficient Row-based Network and A New Benchmark.** [\[PDF\]](#) [\[Code\]](#)  
**Xinpeng Li**, Xiaojiang Peng.  
*ACM Multimedia, 2022.*
- Sequential Interactive Biased Network for Context-Aware Emotion Recognition.** [\[PDF\]](#) [\[Code\]](#)  
**Xinpeng Li**, Xiaojiang Peng, Changxing Ding.  
*International Joint Conference on Biometrics, 2021.*

## EXPERIENCE

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- Computer Vision and Multimodal Computing Lab, UT Dallas** *Aug. 2024 - Present*  
Research Assistant  
MLLM-based social interaction understanding  
Supervisor: Prof. [Yapeng Tian](#)
- MIPS Lab, Shenzhen Technology University** *July 2023 - July 2024*  
Research Assistant  
MLLM-based visual emotion recognition  
Mentor: Prof. [Xiaojiang Peng](#)

<b>VIP Lab, Southern University of Science and Technology</b>	<i>Jan. 2023 - June 2023</i>
Research Assistant	Mentor: Prof. <a href="#">Feng Zheng</a> & Prof. <a href="#">Jinbao Wang</a>
3D anomaly detection	
<b>MIPS Lab, Shenzhen Technology University</b>	<i>June 2021 - Dec. 2022</i>
Research Assistant	Mentor: Prof. <a href="#">Xiaojiang Peng</a>
Visual emotion recognition and rail detection	
<b>Gorilla Lab, South China University of Technology</b>	<i>June 2017 - June 2021</i>
Graduate Research Assistant	Supervisor: Prof. <a href="#">Dacheng Tao</a> & Prof. <a href="#">Changxing Ding</a>
Visual emotion generation and recognition	
<b>ARCCA Lab, South China University of Technology</b>	<i>July 2016 - May 2017</i>
Undergraduate Research Assistant	Supervisor: Prof. <a href="#">Fangjiong Chen</a>
Underwater operated vehicle building	

## HONORS & AWARDS

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

## ACADEMIC SERVICES

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Conference Reviewer: ACM Multimedia 2024, ACM Multimedia 2023