

February 14, 2026

## **CURRICULUM VITAE (CV)**

**M. Sc. Bohao XING**

### **1. Personal details and date of CV**

- Surname: Xing
- First names: Bohao
- Researcher ID:  
[ORCID: 0009-0005-5924-4178](#)  
[Google Scholar](#)
- Date of CV: February 14, 2026

### **2. Degrees**

- 11/01/2024, Master of Engineering, major subject: Information and Commutation Engineering, Tianjin University, China.
- 05/07/2021, Bachelor of Engineering, major subject: Communication Engineering, Tianjin University, China.

### **3. Language skills**

- Native language: Chinese
- Other language skills: English

### **4. Current employment**

- November 2024 – Present, Junior Researcher (PhD Candidate), Computer Vision and Pattern Recognition Laboratory (CVPRL), Department of Computational Engineering, School of Engineering Sciences, LUT University (10% part-time).

### **5. Previous work experience**

- April 2023 - August 2023, R&D Intern, Camera OD, Momenta, Suzhou, China

### **6. Research output**

- Number of peer-reviewed publications (including in press): 9
- Number of patents and inventions: 4

See Appendix: LIST OF PUBLICATIONS

### **7. Teaching merits**

Teaching Assistant:

- BM40Ao801 Machine Vision and Digital Image Analysis, LUT University, 2025–2026.

### **8. Awards and honours**

- Honorable Mention, Mathematical Contest in Modeling (COMAP), 2020.
- Multiple university-level academic honours and scholarships, Tianjin University, 2018–2023.

### **9. Other key academic merits, such as**

- Peer reviewer for scientific journals: IEEE Transactions on Multimedia (TMM); IEEE Signal Processing Letters (SPL); Pattern Recognition (PR); ACM Transactions on Multimedia Computing, Communications, and Applications (TOMM);

- Peer reviewer for scientific conferences: International Conference on Machine Learning (ICML); IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR); European Conference on Computer Vision (ECCV); IEEE International Conference on Multimedia and Expo (ICME); International Joint Conference on Biometrics (IJCB); Scandinavian Conference on Image Analysis (SCIA).

## LIST OF PUBLICATIONS

M.Sc. Bohao Xing, born 1999

Date of the list: February 14, 2026

### Peer-reviewed journal articles

- [1] R. Gao, X. Liu, B. Xing, Z. Yu, B. W. Schuller, and H. Kälviäinen, "Identity-free artificial emotional intelligence via micro-gesture understanding," *IEEE Transactions on Affective Computing*, pp. 1–15, 2026. DOI: [10.1109/TAFFC.2025.3649898](https://doi.org/10.1109/TAFFC.2025.3649898).
- [2] D. Li, B. Xing, and X. Liu, "Enhancing micro gesture recognition for emotion understanding via context-aware visual-text contrastive learning," *IEEE Signal Processing Letters*, vol. 31, pp. 1309–1313, 2024. DOI: [10.1109/LSP.2024.3396656](https://doi.org/10.1109/LSP.2024.3396656).

### Peer-reviewed conference papers

- [1] R. Gao, X. Liu, Z. Hu, *et al.*, "Fsbench: A figure skating benchmark for advancing artistic sports understanding," in *2025 IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2025, pp. 13 595–13 605. DOI: [10.1109/CVPR52734.2025.01269](https://doi.org/10.1109/CVPR52734.2025.01269).
- [2] D. Li, B. Xing, X. Liu, B. Xia, B. Wen, and H. Kälviäinen, "Deemo: De-identity multimodal emotion recognition and reasoning," in *Proceedings of the 33rd ACM International Conference on Multimedia (ACM MM)*, ser. MM '25, Dublin, Ireland: Association for Computing Machinery, 2025, pp. 5707–5716. DOI: [10.1145/3746027.3755411](https://doi.org/10.1145/3746027.3755411).
- [3] B. Xing, K. Yuan, Z. Yu, X. Liu, and H. Kälviäinen, "Au-ttt: Vision test-time training model for facial action unit detection," in *2025 IEEE International Conference on Multimedia and Expo (ICME)*, 2025, pp. 1–6. DOI: [10.1109/ICME59968.2025.11209184](https://doi.org/10.1109/ICME59968.2025.11209184).

### Accepted papers (in press)

- [1] D. Li, J. Shao, B. Xing, *et al.*, "Msf-mamba: Motion-aware state fusion mamba for efficient micro-gesture recognition," *IEEE Transactions on Multimedia*, 2026.
- [2] B. Xing, D. Li, R. Gao, X. Liu, and H. Kalviainen, "Mgmila: Eulerian motion-aware mila for micro-gesture recognition," *Machine Intelligence Research*, 2026. DOI: [10.1007/s11633-025-1587-8](https://doi.org/10.1007/s11633-025-1587-8).
- [3] B. Xing, X. Liu, G. Zhao, C. Liu, X. Fu, and H. Kälviäinen, "Emotionhalluciner: Evaluating emotion hallucinations in multimodal large language models," in *Proceedings of The Fourteenth International Conference on Learning Representations (ICLR)*, 2026.
- [4] K. Yuan, Z. Yu, X. Liu, *et al.*, "Multi-granularity facial emotional representation with unlabeled data and textual supervision," *IEEE Transactions on Image Processing*, 2026.

### Preprints

- [1] D. Li, X. Liu, B. Xing, *et al.*, "Eald-mllm: Emotion analysis in long-sequential and de-identity videos with multi-modal large language model," *arXiv preprint arXiv:2405.00574*, 2024.
- [2] D. Meng, B. Xing, X. Huang, *et al.*, "Scfusionttt: Single-cell transcriptomics and proteomics fusion with test-time training layers," *arXiv preprint arXiv:2410.13257*, 2024.
- [3] B. Xing, Z. Yu, X. Liu, *et al.*, "Emo-llama: Enhancing facial emotion understanding with instruction tuning," *arXiv preprint arXiv:2408.11424*, 2024.

**Patents and intellectual property rights**

- [1] Z. Yu, X. Xie, B. Xing, Q. Ye, and X. Zhang, *Multimodal medical image fusion method*, CN Patent ZL202410599618.8, 2026.
- [2] Z. Yu, B. Xing, K. Yuan, Q. Ye, and X. Liu, *Facial expression recognition method, apparatus and device*, CN Patent ZL2024109457251, 2025.
- [3] Z. Yu, K. Yuan, B. Xing, X. Su, and X. Liu, *Data augmentation method, facial emotion recognition method and apparatus*, CN Patent ZL202411149969, 2025.
- [4] J. Yang, B. Xing, X. Liu, and H. Yue, *Video action recognition method based on high-low frequency dual pathways*, CN Patent ZL202310452019.9, 2023.