

Xinyao Li

PHD CANDIDATE

School of Computer Science & Engineering, University of Electronic Science and Technology of China (UESTC)

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Education

University of Electronic Science and Technology of China

BACHELOR DEGREE IN COMPUTER SCIENCE

2018 - 2022

- Advisor: Dr. Jingjing Li

University of Electronic Science and Technology of China

MASTER CANDIDATE IN COMPUTER SCIENCE

2022 - 2023

- Advisor: Dr. Jingjing Li

University of Electronic Science and Technology of China

PHD CANDIDATE IN MACHINE LEARNING/ARTIFICIAL INTELLIGENCE

2023 - present

- Advisor: Dr. Jingjing Li
- In Successive Postgraduate and Doctoral Program

Publications

- X. Li, J. Li, Z. Du, L. Zhu, and H. T. Shen, “**Unified Modality Separation: A Vision-Language Framework for Unsupervised Domain Adaptation**,” *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 2025
- X. Li, Y. Li, Z. Du, F. Li, K. Lu, and J. Li, “**Split to Merge: Unifying Separated Modalities for Unsupervised Domain Adaptation**,” in *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition*, 2024
- X. Li, J. Li, F. Li, L. Zhu, and K. Lu, “**Agile Multi-Source-Free Domain Adaptation**,” in *Proceedings of the AAAI Conference on Artificial Intelligence*, 2024
- X. Li, D. Zhang, Z. Du, L. Zhu, Z. Chen, and J. Li, “**PatAug: Augmentation of Augmentation for Test-Time Adaptation**,” in *Proceedings of the 33rd ACM international conference on multimedia*, 2025
- X. Li, Z. Du, J. Li, L. Zhu, and K. Lu, “**Source-Free Active Domain Adaptation via Energy-Based Locality Preserving Transfer**,” in *Proceedings of the 30th ACM international conference on multimedia*, 2022
- X. Li, J. Li, L. Zuo, L. Zhu, and H. T. Shen, “**Domain Adaptive Remaining Useful Life Prediction with Transformer**,” *IEEE Transactions on Instrumentation and Measurement*, 2022
- X. Li, J. Li, L. Zhu, and H. T. Shen, “**Efficient Transfer Learning of Large Models with Limited Resources: A Survey**,” *Chinese Journal of Computers*, 2024
- X. Li, H. Chen, L. Shen, X. Feng, and J. Li, “**Cross-Domain State Estimation of Lithium-ion Batteries: A Review**,” *Journal of University of Electronic Science and Technology of China*, 2024
- Z. Du, X. Li, F. Li, K. Lu, L. Zhu, and J. Li, “**Domain-Agnostic Mutual Prompting for Unsupervised Domain Adaptation**,” in *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition*, 2024

Honors & Awards

2024, 2025 **Doctoral National Scholarship,**
 UESTC Academic Scholarship, First Prize

top 3%
top 10%

Research Interests

Transfer learning Domain adaptation and relevant settings for vision and multimodal models.
Applied machine learning Remaining useful life (RUL) prediction, state of charge (SOC) prediction, etc.

Services

2024 **Reviewer**, IEEE TNNLS, IEEE TMM, IEEE JBHI, AAAI, NeurIPS, ICLR
2025 **Reviewer**, IEEE TPAMI, IEEE TNNLS, IEEE TCSVT, NeurIPS, ICCV