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*, vol. 38, 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*, vol. 71, 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*, vol. 47, no. 11, 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*, vol. 53, no. 5, 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   **Doctoral National Scholarship**,   *top 3%*
       UESTC Academic Scholarship, First Prize   *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