# Xinyao **Li**

PHD CANDIDATE

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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**

PHD CANDIDATE IN MACHINE LEARNING/ARTIFICIAL INTELLIGENCE                     *2022 - present*

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

## Publications

**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**, 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

2023  **Asia and Pacific Mathematical Contest in Modeling**, Second Prize
2024  **Doctoral National Scholarship**,
      **UESTC Academic Scholarship**, First Prize

## Skills

**Programming**  Python, Pytorch, C/C++
**Languages**  Chinese, English

## Research Interests

**Transfer learning**  domain adaptation, domain generalization and relevant transfer settings
**Applied machine learning**  remaining useful life (RUL) prediction, state of charge (SOC) prediction, etc.
**Vision-language models**  enhancing VLMs with better generalization abilities

## Services

2023  **Reviewer**, IEEE TIP, IEEE TIM, IEEE TCYB, AAAI, ICLR
2024  **Reviewer**, IEEE TNNLS, IEEE TMM, IEEE JBHI, AAAI, NeurIPS, ICLR