# Ning Liang-bo

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## Education

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|---|---|---|
| Jun. 2023 – Present | 🔖 | **Ph.D.,** *Computing,* <br> The Hong Kong Polytechnic University (PolyU), Hong Kong, China |
| Sep. 2020 – Jun. 2023 | 🔖 | **M.E.,** *Control Science and Engineering,*  GPA:88.00/100 or 3.75/4 <br> Northwestern Polytechnical University (NPU), Xi'an, China |
| Sep. 2016 – Jun. 2020 | 🔖 | **B.E.,** *Automation,*  GPA:83.47/100 or 3.34/4 <br> Northwestern Polytechnical University (NPU), Xi'an, China |

## Research Publications

**2025** 🔖 J. Huang, S. Wang, **L. Ning**, et al., "Towards Next-Generation Recommender Systems: A Benchmark for Personalized Recommendation Assistant with LLMs." *arXiv*, 2025. (Online)

**2024** 🔖 **L. Ning**, Z. Dai, W. Fan, et al., "Joint Universal Adversarial Perturbations with Interpretations," *arXiv*, 2024. (Online)

🔖 H. Qu, **L. Ning**, R. An, W. Fan, et al., "A Survey of Mamba," *arXiv*, 2024. (Online)

🔖 Y. Ding, W. Fan, **L. Ning**, S. Wang, et al., "A survey on rag meets llms: Towards retrieval-augmented large language models," *SIGKDD Conf. Knowl. Discovery Data Min.*, 2024. (CCF-A, Online)

🔖 **L. Ning**, S. Wang, W. Fan, et al., "CheatAgent: Attacking LLM-Empowered Recommender Systems via LLM Agent," *SIGKDD Conf. Knowl. Discovery Data Min.*, 2024. (CCF-A, Online)

🔖 **L. Ning**, Z. Dai, J. Su, et al., "Interpretation-Empowered Neural Cleanse for Backdoor Attacks," *The Web Conference*, 2024. (CCF-A, Online)

**2023** 🔖 Z. Zhang, Z. Liu, **L. Ning**, et al., "Representation of Imprecision in Deep Neural Networks for Image Classification," *IEEE Trans. Neural Networks Learn. Syst.*, 2022. (JCR:$Q_1$, IF:14.255, Online)

🔖 Z. Zhang, **L. Ning**, Z. Liu, et al., "Mining and Reasoning of Data Uncertainty-induced Imprecision in Deep Image Classification," *Inf. Fusion*, 2023. (JCR:$Q_1$, IF:17.564, Online)

**2022** 🔖 Z. Liu, **L. Ning**, and Z. Zhang, "A New Progressive Multi-Source Domain Adaptation Network with Weighted Decision Fusion," *IEEE Trans. Neural Networks Learn. Syst.*, 2022, doi: 10.1109/TNNLS.2022.3179805. (JCR:$Q_1$, IF:14.255, Online)

🔖 Z. Liu, Z. Zhang, Q. Pan, and **L. Ning**, "Unsupervised Change Detection From Heterogeneous Data Based on Image Translation," *IEEE Trans. Geosci. Remote Sens.*, vol. 60, pp. 1-13, 2022. (JCR:$Q_1$, IF:8.125, Online)

## Research Publications (continued)

2021     ▉ **L. Ning**, Z. Liu, and Z. Zhang, "Domain Adaptation Based Multi-Source Data Fusion for Pattern Classification," *IEEE CIE Int. Conf. Radar*, 2021. (Online)

## Miscellaneous Experience

### Awards and Achievements

2023     ▉ **Excellent Master's Thesis**, NPU, Xi'an, China.

        ▉ **Outstanding Graduates**, NPU, Xi'an, China.

2022     ▉ **The National Scholarship**, Ministry of Education, China.

        ▉ **The First Prize Scholarship**, NPU, Xi'an, China.

2019     ▉ **The Second Prize Scholarship**, NPU, Xi'an, China.

2018     ▉ **The First Prize Scholarship**, NPU, Xi'an, China.

        ▉ **The Endress+Hauser Scholarship**, NPU, Xi'an, China.

2017     ▉ **The Second Prize Scholarship**, NPU, Xi'an, China.

### Certifications

2020     ▉ **The First Prize of the 15-th National University Students Intelligent Car Race**.

2019     ▉ **The First Prize of the 14-th National University Students Intelligent Car Race**.

2018     ▉ **The Second Prize of the 13-th National University Students Intelligent Car Race**. Awarded by Intelligent Car Race Organization Committee.

## Skills and Research Interests

Coding     ▉ Matlab, Python, C/C++, LaTeX, Git.

Languages     ▉ Mandarin Chinese (Native), English (CET6, IELTS 6.5).

Res. Interests     ▉ Transfer Learning, Adversarial Attack, Pattern Recognition, XAI.