

Kaiwen Luo

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Education

2023 – 2027 📖 **B.Eng., North China Electric Power University**
Information Security

Employment History

2025.04 – 2026.02 📖 **Research Intern:** Nanyang Technological University (Prof. Yang Liu).
2025.10 – 2025.12 📖 **Research Intern:** The Institute of Artificial Intelligence, China Telecom.
2026.02 – now 📖 **Research Intern:** Nanyang Technological University (Prof. Yew-Soon Ong).
2026.10 – now 📖 **Research Intern:** Xiaomi(Large Audio Language Models Research).

Research Publications

1. Hidden in the Noise: Unveiling Backdoors in Audio LLMs Alignment through Latent Acoustic Pattern Triggers (Co-first author)

Liang Lin*, Miao Yu*, Kaiwen Luo*, Yibo Zhang, Lilan Peng, Dexian Wang, Xuehai Tang, Yuanhe Zhang, Xikang Yang, Zhenhong Zhou, Kun Wang, Yang Liu

[The first work to systematically study audio backdoor behavior in Audio-LLMs.](#)

Accepted as an **Oral Paper** in AAAI 2026, arxiv.org/pdf/2508.02175v3

2. ChronosAudio: A Comprehensive Long-Audio Benchmark for Evaluating Audio-Large Language Models (First author)

Kaiwen Luo, Liang Lin, Yibo Zhang, Moayad Aloqaily, Dexian Wang, Zhenhong Zhou, Junwei Zhang, Kun Wang, Li Sun, Qingsong Wen

[The comprehensive long-audio benchmark to evaluate Audio-LLMs' capability.](#)

Submitted to ICASSP 2027, <https://arxiv.org/abs/2601.04876>

3. A Survey of Large Audio Language Models: Generalization, Trustworthiness, and Outlook(First author)

[The comprehensive survey on trustworthy Audio-LLMs.](#)

Submitted to TMLR <https://arxiv.org/pdf/2605.20266v2>

4. HearSay: Do Audio LLMs Leak What They Hear?(Co-first author)

Jin Wang*, Kaiwen Luo*, Liang Lin*, Weiliu Wang, Yitian Chen, Moayad Aloqaily, Xuehai Tang, Zhenhong Zhou, Kun Wang, Li Sun, Qingsong Wen

[The comprehensive privacy benchmark on Audio-LLMs.](#)

ACL 2026, <https://arxiv.org/abs/2601.03783>

5. RSA-Bench: Benchmarking Audio Large Models in Real-World Acoustic Scenarios(Co-first author)

Yibo Zhang*, Kaiwen Luo*, Liang Lin*, Shilinlu Yan, Jin Wang, Yaoqi Guo, Yitian Chen, Yalan Qin, Zhenhong Zhou, Kun Wang, Li Sun

[The benchmark of nosiy audio on Audio-LLMs.](#)

ACL 2026, <https://aclanthology.org/2026.findings-acl.913.pdf>

6. EchoDistill: Alignment Noisy-to-Clean Self-Distillation for Robust Audio LLMs(First author)

Kaiwen Luo*, Chunxi Luo*, Liang Lin*, Jie Zhang, Jin Wang, Yuanhe Zhang, Cai Yuchen, Qiankun Li, Gongli Xi, Zhenhong Zhou, Kun Wang, Junhao Dong

[The OPD method on Audio-LLMs to enhance robustness.](#)

Submitted to ICLR 2027

Miscellaneous Experience

Scholar Awards

2025  **First Class Scholarship(Top 3%),** North China Electric Power University

Visiting Student

2024  **Sunrise Lab(Core Member),** School of Control and Computer Engineering, North China Electric Power University

Summer School

2025  **AI Insider: Bridging Theory and Industrial Application,** The University of Hong Kong

GitHub Repositories

 **Awesome Trustworthy Audio-LLMs(200+ Stars),** <https://github.com/Kwwwww74/Awesome-Trustworthy-AudioLLMs>

Skills

Coding  C, C++, Java, Python, SQL, L^AT_EX, ...