

Bingqi Shang

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RESEARCH INTERESTS

Trustworthy Machine Learning: Machine Unlearning, Alignment & RLHF, Adversarial Machine Learning, Privacy

EDUCATION

Michigan State University (MSU) Incoming Ph.D. Student, Computer Science	Aug. 2025 - Present Advisor: Prof. Sijia Liu
Northwestern University (NU) M.S., Computer Science	Sep. 2023 - Jun. 2025 Advisors: Prof. Qi Zhu and Prof. Xiao Wang
Tongji University B.E., Software Engineering	Sep. 2019 - Jun. 2023 School of Computer Science and Technology

RESEARCH EXPERIENCE

On the Adversarial Implications of Attention Sinks in LLMs Supervisor: Prof. Sijia Liu (MSU)	Apr. 2025 - Present
<ul style="list-style-type: none">Investigating attention sinks in LLMs to develop more effective backdoor poisoning attacks.Exploring applications in unlearned models where backdoor triggers can selectively recover forgotten knowledge.	
Privacy-Preserving Tuning for Large Models Supervisors: Prof. Qi Zhu (NU), Prof. Xiao Wang (NU)	Dec. 2023 - Mar. 2025
<ul style="list-style-type: none">Developed Split Adaptation (SA) to ensure data privacy during adaptation of pre-trained Vision Transformers (ViTs), utilizing bi-level noise injection for privacy-preserving downstream tasks without data sharing.Protected model privacy by sharing only a low-bit quantized frontend of the ViT, preventing model leakage and ensuring secure adaptation.Publication: [1]	

PROFESSIONAL EXPERIENCE

Cloud Native Computing Foundation Remote Software Engineer Intern, Supervisor: Patrick Zheng Project: KMS plugin for Notation CLI using Go.	Mar. 2023 - May 2023
SAP Shanghai, China Cloud Developer Intern, Supervisor: April Qi Project: Cloud Provider Exporter in Go on Kubernetes for AWS, Azure, and GCP, using Prometheus and Grafana.	Jun. 2022 - Mar. 2023

PUBLICATIONS

* indicates an equal contribution

[\[1\]](#) Lixu Wang*, **Bingqi Shang***, Yi Li, Payal Mohapatra, Wei Dong, Xiao Wang, Qi Zhu. [Split Adaptation for Pre-trained Vision Transformers](#). *CVPR'2025*.

HONORS

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| • Shanghai Outstanding Graduate Award | 2023 |
| • Outstanding Undergraduate Dissertation Award of Tongji University | 2023 |
| • National Scholarship (Top 0.2%, highest undergraduate honor in China) | 2020 |

SERVICES

Journal Reviewer: IEEE TSP

PERSONAL INTERESTS

Astrophotography	2019 - Present
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PROFESSIONAL SKILLS

Programming Languages: Python, Go, C++, Java, Rust, JavaScript, Latex, HTML, CSS

Machine Learning Systems: PyTorch, Transformers, W&B, OpenCV, Scikit-learn