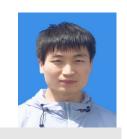
Yige Li

1995/03/26 (BirthDay)

Research Fellow, Singapore Management University Google Scholar

xdliyige@gmail.com (E-Mail) https://github.com/bboylyg



About Me

• I pursue research in **Trustworthy AI**, aiming to build secure, robust, and interpretable systems that align with human values and cognition. I' m especially interested in **Generative Models/Agent** and **AI** safety, and I seek simple yet insightful solutions grounded in theory. Guided by the philosophy "Everything should be made as simple as possible, but not simpler," I approach research with both rigor and curiosity. Outside of work, I enjoy rock climbing and swimming.

Education Background

• Xidian University Computer Science 2019.09 – 2023.09 Doctor Degree – Trustworthy ML

·

• Dalian Jiaotong University Control Engineering 2017.09 – 2019.06 Master Degree

- Pattern Recognition

• Shijiazhuang Railway University Electrical Engineering 2013.09 – 2017.06 Bachelor Degree

- Data Structures, Automatic Control

Work Experience

• Singapore Management University Computer Science 2024.02 – up to now Postdoc Fellow

- Trustworthy ML

Research Interest

- AI Safety on LLMs, VLMs and Agents
- Jailbreaking/backdoor attacks or defenses on agentic models
- Mitigating hallucinations and improving agentic model reliability

Award Honors

- BackdoorLLM won the First Prize in the SafetyBench competition organized by the Center for AI Safety.
- Outstanding doctoral candidate
- Tencent Academic second-class Scholarship

Internship Experience

• Fudan University Research Intern 2023.10 – 2024.01

- Trustworthy ML

Shanghai AI Lab Research Intern 2023.6 – 2023.08

- Ethics in ML

- Model adaptive training
- Research on safety technology

Representative Work (* Corresponding Author)

- Yige Li, Xixiang Lyu, Xingjun Ma, Nodens Koren, Lingjuan Lyu, Bo Li, Yu-Gang Jiang, "Reconstructive Neuron Pruning for Backdoor Defense", ICML 2023
- Yige Li, Xixiang Lyu, Nodens Koren, Lingjuan Lyu, Bo Li, Xingjun Ma, "Anti-Backdoor Learning: Training Clean Models on Poisoned Data", NeurIPS 2021.
- Yige Li, Xixiang Lyu, Nodens Koren, Lingjuan Lyu, Bo Li, Xingjun Ma, "Neural Attention Distillation: Erasing Backdoor Triggers from Deep Neural Networks", ICLR 2021.
- Yige Li, Hanxun Huang, Yunhan Zhao, Xingjun Ma, Jun Sun, "BackdoorLLM: A Comprehensive Benchmark for Backdoor Attacks and Defenses on Large Language Models", First Prize in the SafetyBench Competition 2025 & NeurIPS 2025.
- Yige Li, Jiabo He, Hanxun Huang, Jun Sun, Xingjun Ma, "Shortcuts Everywhere and Nowhere: Exploring Multi-Trigger Backdoor Attacks", Accepted at IEEE TDSC
- Hanxun Huang, SM Erfani, **Yige Li***, Xingjun Ma, James Bailey, "Detecting Poisoning Backdoor Attacks on CLIP", **ICLR** 2025
- Wei Zhao, Ze Li, **Yige Li***, Jun Sun, "Q-MLLM: Vector Quantization for Robust Multimodal Large Language Model Security", **NDSS** 2025.
- Nay Myat Min, Long H Pham, **Yige Li***, Jun Sun, "CROW: Eliminating Backdoors from Large Language Models via Internal Consistency Regularization", **ICML** 2025
- Hanxun Huang, SM Erfani, **Yige Li***, Xingjun Ma, James Bailey, "X-Transfer Attacks: Towards Super Transferable Adversarial Attacks on CLIP", **ICML** 2025
- Jiaming Zhang, Junhong Ye, Xingjun Ma, **Yige Li***, Yunfan Yang, Jitao Sang, Dit-Yan Yeung, "Anyattack: Towards large-scale self-supervised generation of targeted adversarial examples for vision-language models", **CVPR** 2025
- Peihai Jiang, Xixiang Lyu, **Yige Li***, Jing Ma, "Backdoor Token Unlearning: Exposing and Defending Backdoors in Pretrained Language Models", **AAAI** 2025.
- Yige Li, Peihai Jiang, Jun Sun, Peng Shu, Tianming Liu, Zhen Xiang, "Adaptive Content Restriction for Large Language Models via Suffix Optimization", Under review at NACCL 2025
- Yige Li, Hanxun Huang, Jiaming Zhang, Xingjun Ma, Yu-Gang Jiang, "Expose Before You Defend: Better Backdoor Defense With Exposed Models", Under Review at AAAI 2026
- Shen Dong, Shaochen Xu, Pengfei He, **Yige Li**, Jiliang Tang, Tianming Liu, Hui Liu, Zhen Xiang, "A Practical Memory Injection Attack against LLM Agents", **NeurIPS** 2025
- Yunhan Zhao, Xiang Zheng, Lin Luo, **Yige Li**, Xingjun Ma, Yu-Gang Jiang, BlueSuffix: Reinforced Blue Teaming for Vision-Language Models Against Jailbreak Attacks", **ICLR** 2025.
- Wei Zhao, Ze Li, **Yige Li**, Ye Zhang, Jun Sun, "Defending Large Language Models Against Jailbreak Attacks via Layer-specific Editing", **EMNLP** 2024.
- More publications are available on my Google Scholar