

Zeyi Liao

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🔌 Research Interests

I am broadly interested in general AI, with a focus on NLP and multimodal (esp. vision-language) AI. My ultimate goal is to build helpful yet robust and reliable AI systems that enhance and enrich human life.

🎓 Education

- **The Ohio State University** Aug. 2023 – May. 2028 (expected)
Ph.D. in Computer Science and Engineering
- **University of Southern California** Aug. 2021 – May. 2023
M.S in Electronic and Computer Engineering
- **Beijing Jiaotong University** Aug. 2016 – May. 2020
B.S in Electronic Engineering

🔧 Research Experience

- **Research Assistant**, The Ohio State University Aug. 2023 – Present
Advisor: **Prof. Huan Sun**
- **Research Assistant**, University of Southern California Aug. 2022 – May. 2023
Advisor: **Prof. Xiang Ren**
- **Independent Research**, Beijing Jiaotong University Aug. 2020 – May. 2021

📖 Publications (selected, see full list on 🎓)

* means equal contribution

- [8] **EIA: Environmental Injection Attack on Generalist Web Agents for Privacy Leakage**
Zeyi Liao*, Lingbo Mo*, Chejian Xu, Mintong Kang, Jiawei Zhang, Chaowei Xiao, Yuan Tian, Bo Li, Huan Sun
Preprint on Arxiv, 2024. [PDF]
- [7] **Joint Demonstration and Preference Learning Improves Policy Alignment with Human Feedback**
Chenliang Li, Siliang Zeng*, Zeyi Liao*, Jiaxiang Li, Dongyeop Kang, Alfredo Garcia, Mingyi Hong
Preprint on Arxiv, 2024. [PDF]
- [6] **Amplegcg: Learning a universal and transferable generative model of adversarial suffixes for jailbreaking both open and closed llms**
Zeyi Liao, Huan Sun
Conference on Language Modeling (COLM), 2024. [PDF], 🐦 X on AmpleGCG-plus
- [5] **AttributionBench: How Hard is Automatic Attribution Evaluation?**
Yifei Li, Xiang Yue, Zeyi Liao, Huan Sun
Annual Conference of the Association for Computational Linguistics (Findings of ACL), 2024. [PDF]
- [4] **A Trembling House of Cards? Mapping Adversarial Attacks against Language Agents**
Lingbo Mo, Zeyi Liao, Boyuan Zheng, Yu Su, Chaowei Xiao, Huan Sun
Preprint on Arxiv, 2024. [PDF]

[3] **In Search of the Long-Tail: Systematic Generation of Long-Tail Knowledge via Logical Rule Guided Search**

Huihan Li, Zeyi Liao*, Yuting Ning*, Siyuan Wang, Xiang Lorraine Li, Ximing Lu, Faeze Brahman, Wenting Zhao, Yejin Choi, Xiang Ren

Empirical Methods in Natural Language Processing (EMNLP), 2024. [PDF]

[2] **Chatcounselor: A large language models for mental health support**

June M Liu, Donghao Li, He Cao, Tianhe Ren, Zeyi Liao, Jiamin Wu

ACM International Conference on Information and Knowledge Management (CIKM), 2023. [PDF]

[1] **RobustLR: A diagnostic benchmark for evaluating logical robustness of deductive reasoners**

Soumya Sanyal, Zeyi Liao, Xiang Ren

Conference on Empirical Methods in Natural Language Processing (EMNLP), 2022. [PDF]

 **Teaching Experience**

- **CSE 3521: Survey of Artificial Intelligence I: Basic Techniques @ OSU** Aug. 2023 – Jan. 2024

 **Awards**

- **Master Honor Student**, University of Southern California Aug. 2022
- **First Class Scholarship**, Beijing Jiaotong University Aug. 2020/2019/2018
- **Merit Student**, Beijing Jiaotong University Aug. 2018/2017