

Xiao Liang

[✉ Email](#) | [🐙 Github](#) | [🌐 Website](#) | [in LinkedIn](#) |

Education

Tsinghua University (THU) | GPA: 3.98/4.0 Sept. 2022 - Present
M.Sc. | Data Science and Information Technology Beijing, China

Sun Yat-sen University (SYSU) | GPA: 4.10/5.0 Sept. 2018 - June. 2022
B.Sc. | Electronic Information Science and Technology Guangzhou, China

Publications

Language Modeling

- [1] **Xiao Liang***, Xinyu Hu*, Simiao Zuo, Yeyun Gong, Qiang Lou, Yi Liu, Shao-Lun Huang, Jian Jiao. Task Oriented In-Domain Data Augmentation. Under review 2024. [\[Paper\]](#)
- [2] Jiawen Xie, Pengyu Cheng, **Xiao Liang**, Yong Dai, Nan Du. Chunk, Align, Select: A Simple Long-sequence Processing Method for Transformers. In **ACL 2024**. [\[Paper\]](#) [\[Code\]](#)

Multimodal Learning

- [3] **Xiao Liang***, Tao Shi*, Yaoyuan Liang, Te Tao, Shao-Lun Huang. Exploring Iterative Refinement with Diffusion Models for Video Grounding. In **ICME 2024**. [\[Paper\]](#) [\[Code\]](#)
- [4] Yaoyuan Liang*, **Xiao Liang***, Yansong Tang, Zhao Yang, Ziran Li, Jingang Wang, Wenbo Ding, Shao-Lun Huang. CoSTA: End-to-End Comprehensive Space-Time Entanglement for Spatio-Temporal Video Grounding. In **AAAI 2024**. [\[Paper\]](#)
- [5] Tao Shi*, **Xiao Liang***, Yaoyuan Liang, Xinyi Tong, Shao-Lun Huang. SSLCL: An Efficient Model-Agnostic Supervised Contrastive Learning Framework for Emotion Recognition in Conversations. Under review 2023. [\[Paper\]](#) [\[Code\]](#)

(* indicates equal contribution)

Professional Experience

Microsoft Research Asia (MSR Asia) Nov. 2023 - Present
Mentor: [Dr. Yeyun Gong](#) Beijing, China

- Pre-training and continual learning for large language models (LLMs).
- Reinforcement learning to enhance reasoning in LLMs.

Tencent Artificial Intelligence Lab (AI Lab, NLP) Mar. 2023 - Jul. 2023
Mentor: [Dr. Pengyu Cheng](#), [Dr. Nan Du](#) Shenzhen, China

- Utilizing reinforcement learning for long sequence modeling in Transformers.
- Dialog generation and task-specific instruction data generation.

Awards and Honors

- Outstanding Graduate Thesis of Sun Yat-sen University (top 5%). *Jun. 2022*
- Outstanding Graduate Student of Sun Yat-sen University (top 10%). *Jun. 2022*
- Second Prize Scholarship of Sun Yat-sen University (top 15%) for 3 times. *2019 - 2022*

Skills

Programming Languages: Python | MATLAB | Shell | LATEX | C++/C | HTML

Programming Tools: Git | PyTorch | Docker | Linux Ops | Vim

Academic Services

Reviewer of :

- The Conference on Empirical Methods in Natural Language Processing (EMNLP) {24}
- The IEEE International Conference on Multimedia and Expo (ICME) {24}
- The IEEE International Conference on Automatic Face and Gesture Recognition (FG) {23, 24}