

JASON / XIAOCHUAN LI

✉ lixiaochuan20@gmail.com · 🏠 <https://xiaochuanli.com/>

EDUCATION

- Carnegie Mellon University**, Language Technology Institute Jun. 2024 - Aug. 2024
Visiting Student
- The University of Hong Kong**, Department of Computer Science Jan. 2024 - Jun. 2024
Exchange Student with full scholarship
- Tsinghua University**, School of Software 2021 - 2025(Expected)
Bachelor's degree in Computer Science and Artificial Intelligence
With the highest honor in THU, 10 out of 3000

PUBLICATIONS

(* stands for equal contribution; Listed in reverse chronological order)

Conference Publications

- [1] **(preprint)** Montessori-Instruct: Generate Influential Training Data Tailored for Student Learning
[Xiaochuan Li](#), ZICHUN YU, CHENYAN XIONG
arXiv [PDF] [Arxiv]
- [2] **(NIPS 2024 D&B Track)** OSWorld: Benchmarking Multimodal Agents for Open-Ended Tasks in Real Computer Environments
TIANBAO XIE, DANYANG ZHANG, JIXUAN CHEN, [Xiaochuan Li](#), SIHENG ZHAO, RUIHENG CAO, TOH JING HUA, ZHOIJUN CHENG, DONGCHAN SHIN, FANGYU LEI, YITAO LIU, YIHENG XU, SHUYAN ZHOU, SILVIO SAVARESE, CAIMING XIONG, VICTOR ZHONG, TAO YU
The Thirty-Eighth Annual Conference on Neural Information Processing Systems [PDF] [Arxiv]
- [3] **(ACL 2024 Findings)** Evaluating Robustness of Generative Search Engine on Adversarial Factoid Questions
XUMING HU*, [Xiaochuan Li*](#), JUNZHE CHEN, YINGHUI LI, YANGNING LI, XIAOGUANG LI, YASHENG WANG, QUN LIU, LIJIE WEN, PHILIP S. YU, ZHIJIANG GUO
The 62nd Annual Meeting of the Association for Computational Linguistics [PDF] [OpenReview]
- [4] **(ICLR 2024 Spotlight)** Towards Understanding Factual Knowledge of Large Language Models
XUMING HU*, JUNZHE CHEN*, [Xiaochuan Li*](#), YUFEI GUO, LIJIE WEN, PHILIP S. YU, ZHIJIANG GUO
The Twelfth International Conference on Learning Representations [PDF] [OpenReview]

Journal Articles

- [1] SongC: A Compiler for Hybrid Near-Memory and In-Memory Many-Core Architecture
JUNFENG LIN, HUANYU QU, SONGCHEN MA, XINGLONG JI, HONGYI LI, [Xiaochuan Li](#), CHENHANG SONG, WEIHAO ZHANG
IEEE Transactions on Computers, [TCSI-2023-01-0048] (IEEE TC) [PDF]

RESEARCH EXPERIENCE

- CX's Group, LTI, Carnegie Mellon University** Jun. 2024 - Present
Research Assistant to Professor Chenyan Xiong
Topic: **Data-Centric Language Models**
 - Lead the project on synthesizing higher-quality instruction-following data and extend to pre-training.
- XLANG lab, The University of Hong Kong** Jan. 2024 - Jun. 2024
Research assistant to Prof. Tao Yu
Topic: **Agent Evaluation**

- Working on evaluating the capabilities and limitations of digital computer agents in real-world, open-ended tasks.

THUBPM, Tsinghua University

Dec. 2022 - Dec. 2023

Research assistant to Prof. Philip S. Yu and Prof. Lijie Wen

Topic: **Credibility and Hallucination Phenomena of LLMs**

- Leading the project on discovering factual errors in LLMs' reasoning using Adversarial Attacks.

SELECTED AWARDS AND HONORS

Scholarship

- The Special-Class Scholarship, Tsinghua University Nov. 2024
(The highest honor, 10 out of 3000)
- The Fung Scholarship, Fung Foundation Jan. 2024
- Comprehensive Excellence Scholarship, Tsinghua University Oct. 2024/2023/2022
(Top 1% in both Academics and Research)
- Academic Excellence Scholarship, Tsinghua University Sep. 2021
(Top 5% in Academics)

Awards

- First Prize in Software Development Race, Tsinghua University Nov. 2023
- Tsinghua University Undergraduate Academic Promotion Fund Apr. 2023
- Outstanding student leaders, Tsinghua University Oct. 2022
- Chairman of the 21st Student Union, School of Software, Tsinghua University Jan. 2023 - Jan. 2024

ADDITIONAL INFORMATION

Conference Reviewing

- EMNLP 2024; NAACL 2024; ICLR 2025;

Skills

- C++; Python; PyTorch; LaTeX; Linux; Front & Back-end development
- Chinese (Native); English (Fluent); French (Basic)