

# JASON / XIAOCHUAN LI

School of Software, Tsinghua University, P.R. China

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## EDUCATION

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- 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  
GPA: 3.78 / 4.0; **A&A+ courses**: Machine Learning; Introduction to Artificial Intelligence; Computer Networks; Principles of Assembly and Compilation; Software Engineering; Data Structures and Algorithms

## PUBLICATIONS

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

### Conference Publications

- [1] **(preprint)** OSWorld: Benchmarking Multimodal Agents for Open-Ended Tasks in Real Computer Environments  
TIANBAO XIE, DANYANG ZHANG, JIXUAN CHEN, [Xiaoquan 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  
[PDF] [Arxiv]
- [2] **(ACL 2024 Findings)** Evaluating Robustness of Generative Search Engine on Adversarial Factoid Questions  
XUMING HU\*, [Xiaoquan Li](#)\*, JUNZHE CHEN, YINGHUI LI, YANGNING LI, XIAOQUANG LI, YASHENG WANG, QUN LIU, LIJIE WEN, PHILIP S. YU, ZHIJIANG GUO  
*The 62nd Annual Meeting of the Association for Computational Linguistics* [PDF] [OpenReview]
- [3] **(ICLR 2024 Spotlight)** Do Large Language Models Know about Facts?  
XUMING HU\*, JUNZHE CHEN\*, [Xiaoquan 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, [Xiaoquan Li](#), CHENHANG SONG, WEIHAO ZHANG  
*IEEE Transactions on Computers, [TCSI-2023-01-0048] (IEEE TC)* [PDF]

## RESEARCH EXPERIENCE

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- CX's Group, LTI, Carnegie Mellon University** Jun. 2024 - Present  
Research Assistant to Professor Chenyan Xiong  
Topic: **Data-Centric Language Models**
- Leading the project on synthesizing higher-quality instruction-following data and extending it to pre-training data. Aiming for ICLR 2025.

## **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**

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### Scholarship

- The Fung Scholarship, Fung Foundation Jan. 2024
- Comprehensive Excellence Scholarship, Tsinghua University Oct. 2023/Oct. 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**

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### Conference Reviewing

- EMNLP 2024; NAACL 2024

### Skills

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