

JIAN XIE

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EDUCATION

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- Fudan University**, Shanghai, China. 2022 - Present
M.S. in Software Engineering.
- Zhejiang University City College**, Hangzhou, China. 2018 - 2022
B.S. in Computer Science.

EXPERIENCES

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- Carnegie Mellon University (Remote)** May. 2024 - Oct. 2024
- Role: Research Intern at **LTI LeiLiLab**
 - Advisor: **Lei Li**
 - Research Focus: Language Agent Planning[1]
- The Ohio State University (Remote)** Mar. 2023 - Feb. 2024
- Role: Research Intern at **OSU NLP Group**
 - Advisor: **Yu Su**
 - Research Focus: Memory Mechanism[7] and Planning[6] of Language Agent
- Fudan University (Shanghai)** Sept. 2022 - Present
- Role: Student Researcher at **Knowledge Works Lab**
 - Advisor: **Yanghua Xiao**
 - Research Focus: Memory Mechanism of Language Agent[4] and Pretrained Language Model[9]
- Alibaba Group (Hangzhou)** Jul. 2022 - Jan. 2023
- Role: Research Intern
 - Host: Baohua Wu

PUBLICATIONS

(* indicates equal contribution, # indicates work supervised by me)

1. **Revealing the Barriers of Language Agents in Planning** 📄 🌐
Jian Xie, Kexun Zhang*, Jiangjie Chen*, Siyu Yuan, Kai Zhang, Yikai Zhang, Lei Li, Yanghua Xiao
NAACL 2025.
2. **AAAR-1.0: Assessing AI's Potential to Assist Research** 📄 📄
Renze Lou, Hanzi Xu, Sijia Wang, Jiangshu Du, Ryo Kamoi, Xiaoxin Lu, **Jian Xie**, Yuxuan Sun, Yusen Zhang, Jihyun Janice Ahn, Hongchao Fang, Zhuoyang Zou, Wenchao Ma, Xi Li, Kai Zhang, Congying Xia, Lifu Huang, Wenpeng Yin
arXiv Preprint 2024.
3. **From Persona to Personalization: A Survey on Role-Playing Language Agents** 📄
Jiangjie Chen*, Xintao Wang*, Rui Xu*, Siyu Yuan*, Yikai Zhang*, Wei Shi*, **Jian Xie***, Shuang Li, Ruihan Yang, Tinghui Zhu, Aili Chen, Nianqi Li, Lida Chen, Caiyu Hu, Siye Wu, Scott Ren, Ziquan Fu, Yanghua Xiao
TMLR 2024.
4. **# How Easily Do Irrelevant Inputs Skew the Responses of Large Language Models?** 📄 🌐
Siye Wu*, **Jian Xie***, Jiangjie Chen, Tinghui Zhu, Zhang Kai, Yanghua Xiao.
COLM 2024 & KnowledgeNLP@ACL 2024 (**Oral**).

5. **Deductive Beam Search: Decoding Deducible Rationale for Chain-of-Thought Reasoning**  
Tinghui Zhu*, Kai Zhang*, **Jian Xie**, Yu Su.
COLM 2024.

6. **TravelPlanner: A Benchmark for Real-World Planning with Language Agents**   
Jian Xie*, Kai Zhang*, Jiangjie Chen, Tinghui Zhu, Renze Lou, Yuandong Tian, Yanghua Xiao, Yu Su.
ICML 2024 **Spotlight (3.5%)**.

7. **Adaptive Chameleon or Stubborn Sloth: Revealing the Behavior of Large Language Models in Knowledge Conflicts**  
Jian Xie*, Kai Zhang*, Jiangjie Chen, Renze Lou, Yu Su.
ICLR 2024 **Spotlight (5%)**.

8. **MUFFIN: Curating Multi-Faceted Instructions for Improving Instruction-Following**   
Renze Lou, Kai Zhang, **Jian Xie**, Yuxuan Sun, Janice Ahn, Hanzi Xu, Yu Su, Wenpeng Yin.
ICLR 2024.

9. **QUERT: Continual Pre-training of Language Model for Query Understanding in Travel Domain Search**  
Jian Xie, Yidan Liang, Jingping Liu, Yanghua Xiao, Baohua Wu, Shenghua Ni
KDD 2023.

10. **Improving NER in Social Media via Entity Type-Compatible Unknown Word Substitution**  
Jian Xie*, Kai Zhang*, Lin Sun, Yindu Su, Chenxiang Xu
ICASSP 2021.

AWARDS

• Zhejiang Provincial Government Scholarship (Top 3%)	2022
• Fudan Tencent Scholarship (Top 3%)	2023
• National Scholarship (Top 1.7%)	2024

ACADEMIC SERVICE

Reviewer	EMNLP2023, COLM2024, ICLR2024, ICLR2025, ICML2025, COLM2025
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SKILLS

Programming Languages	Python > C/C++ > JAVA ≈ SQL
Frameworks	OpenAI APIs & Langchain & Transformers & Pytorch
Languages	Mandarin - Native & English - TOEFL 102 (S23)