

JIAN XIE

✉ jianx0321@gmail.com | 🌐 [Website](#) | 🔍 [Google Scholar](#) | 📖 [Semantic Scholar](#)

EDUCATION

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









EXPERIENCES

- | | |
|--|-----------------------|
| Carnegie Mellon University (Remote) <ul style="list-style-type: none">Role: Research Intern at LTI LeiLiLabAdvisor: Lei LiResearch Focus: Language Agent Planning[1] | May. 2024 - Oct. 2024 |
| The Ohio State University (Remote) <ul style="list-style-type: none">Role: Research Intern at OSU NLP GroupAdvisor: Yu SuResearch Focus: Memory Mechanism[8] and Planning[7] of Language Agent | Mar. 2023 - Feb. 2024 |
| Fudan University (Shanghai) <ul style="list-style-type: none">Role: Student Researcher at Knowledge Works LabAdvisor: Yanghua XiaoResearch Focus: Memory Mechanism of Language Agent[5] and Pretrained Language Model[10] | Sept. 2022 - Present |
| Alibaba Group (Hangzhou) <ul style="list-style-type: none">Role: Research InternHost: Baohua Wu | Jul. 2022 - Jan. 2023 |

PUBLICATIONS

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

- Revealing the Barriers of Language Agents in Planning** 📄 🔍
Jian Xie, Kexun Zhang*, Jiangjie Chen*, Siyu Yuan, Kai Zhang, Yikai Zhang, Lei Li, Yanghua Xiao
arXiv Preprint 2024.
- 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.
- Empowering Biomedical Named Entity Recognition through Multi-Tagger Collaboration**
Jin Zhao, **Jian Xie**, Tinghui Zhu, Qian Guo, Yanghua Xiao, Zhixu Li.
ECAI 2024.
- 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.

5. # **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**).
6. **Deductive Beam Search: Decoding Deducible Rationale for Chain-of-Thought Reasoning**  
Tinghui Zhu*, Kai Zhang*, **Jian Xie**, Yu Su.
COLM 2024.
7. **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%)**.
8. **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%)**.
9. **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.
10. **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.
11. **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

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| • 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
Secondary Reviewer	AAAI2023, ACL2023, KDD2023, ECML2023, ISWC2023

SKILLS

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