

XINTAO WANG

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BIOGRAPHY

Xintao Wang (王鑫涛) is a fourth year Ph.D candidate at Fudan University in the School of Computer Science. He is deeply fascinated with ACG (Anime, Comics & Games) culture, and is devoted to revolutionizing the ACG industry with AI techniques. Hence, his research interests primarily focus on human-like generative agents and their personas, including (but not limited to):

- **Role-Playing Language Agents:** Targeting at creating AI agents that faithfully represent specific personas, including: (1) Accurate and nuanced evaluation of LLMs' role-playing abilities; (2) Construction of high-quality persona datasets from established fictions; (3) Development of foundation models for advanced role-playing abilities; (4) Agent frameworks and applications for role-playing, such as multi-agent systems for creative storytelling.
- **Cognitive Modeling in Language Models:** Focusing on integrating anthropomorphic cognition into LLMs, such as ego-awareness, social intelligence, personalities, etc. The goal is to promote LLMs' understanding of the inner world of themselves and others, hence enabling them to generate more cognitively-aligned and human-like responses.

EDUCATION

Fudan University (Shanghai) 2021 - 2026 (estimated)
Ph.D. in School of Computer Science

- Ph.D. Advisor: [Yanghua Xiao](#)
- Topics: Personas and Personalization of LLMs, Language Agents, Knowledge-guided Language Generation

Fudan University (Shanghai) 2017 - 2021
B.S. in School of Computer Science Major GPA: 3.87/4.0, Rank: 10/161

- Advisor: [Yanghua Xiao](#), [Xipeng Qiu](#)
- Topics: Language Models and Knowledge Graphs

EXPERIENCE

StepFun July 2024 - Present

- Role: Research Intern;
- Responsibilities: Pushing the boundaries towards faithful role-playing LLMs for established characters. Building pipelines for data curation and role-playing evaluation.

Chat-Haruhi-Suzumiya (Open-source Project, 1.6k Stars) Aug 2023 - Mar 2024

- Role: Research Team Leader;
- Responsibilities: Lead the research project on the personality analysis of role-playing language agents.

SELECTED AWARDS

Chinese National Scholarship (Top 1%)	2022
Excellent Graduates of Shanghai (Top 5%)	2022
Chinese National Scholarship (Top 1%)	2020
Huawei Scholarship (Top 3%)	2019
Hhctea Freshman Scholarship (Top 7%)	2017

SKILLS

Programming Languages: Python (Proficient), C/C++ (Competent)
Tools & Libraries: Cursor, PyTorch, Transformers, LangChain

[*: Equal Contribution; †: Project Leader]

- [1] **CoSER: Coordinating LLM-Based Persona Simulation of Established Roles**
Xintao Wang, Heng Wang, Yifei Zhang, Xinfeng Yuan, Rui Xu, Jen-tse Huang, Siyu Yuan, Haoran Guo, Jiangjie Chen, Wei Wang, Yanghua Xiao, Shuchang Zhou.
Preprint, 2025
- [2] **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.
Survey Paper, in: **TMLR 2024**
- [3] **InCharacter: Evaluating Personality Fidelity in Role-Playing Agents through Psychological Interviews**
Xintao Wang, Xiao Yunze, Jen-Tse Huang, Siyu Yuan, Rui Xu, Haoran Guo, Quan Tu, Yaying Fei, Ziang Leng, Wei Wang, Jiangjie Chen, Cheng Li, Yanghua Xiao.
Long Paper, in: **ACL 2024**
- [4] **Character is Destiny: Can Large Language Models Simulate Persona-Driven Decisions in Role-Playing?**
Rui Xu, **Xintao Wang**, Jiangjie Chen, Siyu Yuan, Xinfeng Yuan, Jiaqing Liang, Zulong Chen, Xiaoqing Dong, Yanghua Xiao.
Preprint, 2024
- [5] **Evaluating Character Understanding of Large Language Models via Character Profiling from Fictional Works**
Xinfeng Yuan, Siyu Yuan, Yuhan Cui, Tianhe Lin, **Xintao Wang**, Rui Xu, Jiangjie Chen, Deqing Yang.
Long Paper, in: **EMNLP 2024**
- [6] **Capturing Minds, Not Just Words: Enhancing Role-Playing Language Models with Personality-Indicative Data**
Yiting Ran, **Xintao Wang**, Rui Xu, Xinfeng Yuan, Jiaqing Liang, Deqing Yang, Yanghua Xiao.
Short Paper, in: **Findings of EMNLP 2024**
- [7] **Chain-of-Knowledge: Integrating Knowledge Reasoning into Large Language Models by Learning from Knowledge Graphs**
Yifei Zhang*, **Xintao Wang***†, Jiaqing Liang, Sirui Xia, Lida Chen, Yanghua Xiao.
Preprint, 2024
- [8] **Ground Every Sentence: Improving Retrieval-Augmented LLMs with Interleaved Reference-Claim Generation**
Sirui Xia, **Xintao Wang**, Jiaqing Liang, Yifei Zhang, Weikang Zhou, Jiaji Deng, Fei Yu, Yanghua Xiao.
Findings of NAACL, 2025
- [9] **Light Up the Shadows: Enhance Long-Tail Entity Grounding with Concept-Guided Vision-Language Models**
Yikai Zhang, Qianyu He, **Xintao Wang**, Siyu Yuan, Jiaqing Liang, Yanghua Xiao.
Long Paper, in: **Findings of ACL 2024**
- [10] **Prototypical concept representation**
Xintao Wang, Jiaqing Liang, Yanghua Xiao, Wei Wang.
Long Paper, in: **TKDE 2022**

- [11] **Language Models as Knowledge Embeddings**
Xintao Wang, Qianyu He, Jiaqing Liang, Yanghua Xiao.
Regular Paper, in: **IJCAI 2022**
- [12] **Maps-kb: A million-scale probabilistic simile knowledge base**
Qianyu He, Xintao Wang, Jiaqing Liang, Yanghua Xiao
Regular Paper, in: **AAAI 2023**
- [13] **Source Prompt: Coordinated Pre-training of Language Models on Diverse Corpora from Multiple Sources**
Yipei Xu, Dakuan Lu, Jiaqing Liang, Jin Zhao, Xintao Wang, Hengkui Wu, Ken Chen, Liujiang Liu, Yingsi Xin, Xuepeng Liu, Yanghua Xiao, Zhixu Li
Regular Paper, in: **CIKM 2024**
- [14] **Knowledgpt: Enhancing large language models with retrieval and storage access on knowledge bases**
Xintao Wang, Qianwen Yang, Yongting Qiu, Jiaqing Liang, Qianyu He, Zhouhong Gu, Yanghua Xiao, Wei Wang
Preprint, 2023
- [15] **SurveyAgent: A Conversational System for Personalized and Efficient Research Survey**
Xintao Wang^{*†}, Jiangjie Chen^{*}, Nianqi Li, Lida Chen, Xinfeng Yuan, Wei Shi, Xuyang Ge, Rui Xu, Yanghua Xiao.
Preprint, 2024