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教育经历

22.09–至今
(预计 28 年毕业)

硕博连读 (2+4), 中国人民大学高瓴人工智能学院, 人工智能, 导师: 陈旭

- 研究方向: 大语言模型赋能的推荐系统与多智能体系统。围绕推理增强推荐、用户意图理解与用户行为仿真开展研究, 连接算法设计与工业应用。
- 论文及技术报告 (含预印本、在审稿) 39 篇。
一作/共同一作 24 篇 (其中已发表: CCF-A 8 篇、CCF-B 4 篇)。
已发表/录用于 CCF-A 类期刊/会议 14 篇, CCF-B 类 10 篇。
Google Scholar: 引用 7,207 次, h-index 15, i10-index 16 (截至 2026 年 10 月 23 日)。
- 国家奖学金 (2026 年, 累计 4 次) | 三好学生 | 学术一等奖学金 | 五四优秀干部

18.09–22.06

本科, 武汉理工大学计算机科学与智能学院, 计算机科学与技术

- 专业排名 1/257 | CET-6 579 | 国家奖学金 3 次 | 三好学生标兵 3 次 | 校级优秀毕业生
- 全国高校计算机挑战赛国一 | 中国工训大赛银奖 | 中国高校计算机大赛银奖 | 赵师梅奖学金

实习经历

25.04–至今

阿里巴巴·淘天·搜推智能产品事业部, 推荐算法实习生, 北京

- RecGPT: 以用户意图为中心的工业推荐系统。主导 RecGPT-V1 的研究构思、方法设计与实验验证, 与团队共同打造“用户兴趣挖掘 → 商品标签预测 → 商品检索 → 个性化推荐理由生成”的工作流, 推动推荐从日志拟合转向主动意图理解。淘宝线上实验 CTR +5.65%、IPV +7.55%、30 日留存 +1.63%; 一作成果被 TOIS 接收。持续开展 V2/V3 研究, V3 获 GRIT Best Paper。
- RecBot: 基于用户主动指令的交互式推荐智能体。主导研究构思与实验验证, 围绕用户以自然语言表达的兴趣偏好与负反馈, 设计主动意图感知和在线交互方法, 将用户意图转化为可执行的推荐行为, 提升点击与转化效果。一作成果被 KDD 2026 接收。

24.11–25.03

腾讯微信, 大模型智能体算法实习生, 北京

- 针对真实用户意图复杂、模糊、多样化的问题, 提出慎思多智能体框架 KAPA。通过“对话助手—分析师—反思者—督察员”协同积累隐性经验, 设计多领域层次化树状知识库及检索方法, 实现轻量、可解释的用户意图理解。一作成果发表于 ACL 2025。

24.05–24.11

阿里巴巴·通义·智能计算实验室, 大模型智能体算法实习生, 北京

- 构建大模型多智能体通用社会仿真平台 GenSim, 覆盖求职市场、推荐系统等场景, 支持演化模拟、智能体干预与采访, 实现十万级智能体并行模拟。一作成果发表于 NAACL 2025。

23.10–24.04

快手·社区科学线·策略算法部, 推荐算法研究实习

- 提出决策边界感知的图对比学习框架 RGCL, 结合对抗扰动与全局协同关系构建自适应对比视图, 兼顾语义一致性与样本难度, 提升推荐准确性与鲁棒性。一作成果发表于 KDD 2024。

23.02–23.07

华为·诺亚方舟实验室, 推荐算法实习生, 北京

- 浏览器视频召回: 落地 MVKE 算法, 超越 MIND 与 ComiRec 基线, 离线 AUC 提升 1%–2%。

学术服务

- 学术审稿: 担任 NeurIPS、ICLR、AAAI、IJCAI、KDD、SIGIR、WSDM、ACL、EMNLP、WWW 等会议及 TOIS、TKDE、TORS 等期刊审稿人。
- 学术组织: 担任 HCRS@WWW 2026、2027 Workshop 核心组织者。
- 开源贡献: 参与 RecBole 框架开发维护, 担任 RecBole-FairRec 主开发负责人; 参与 RecAgent 核心功能设计及评测实现。

奖项与荣誉

2022 🏆 **CIKM Best Resource Paper Runner-Up**
RecBole 2.0: Towards a More Up-to-Date Recommendation Library

2026 🏆 **SIGIR-AP GRIT Workshop Best Paper**
RecGPT-V3 Technical Report

2019–2026 国家奖学金四次 2019、2020、2021、2026

2021 全国高校计算机能力挑战赛程序设计赛（C++）全国一等奖

2021 中国高校计算机大赛团体程序设计天梯赛全国总决赛银奖

Publications

arXiv '26 RecGPT-V3 Technical Report

🏆 **Best Paper** **Jiakai Tang**, Bowen Zheng, Chao Yi, Dian Chen, Gaoyang Guo, Han Zhu, Jian Wu, Mao Zhang, Wen Chen, et al.
📍 工业落地 **SIGIR-AP GRIT Workshop Best Paper**

CIKM '22 RecBole 2.0: Towards a More Up-to-Date Recommendation Library

CCF-B Xin Zhao, Yupeng Hou, Xingyu Pan, Chen Yang, Zeyu Zhang, Zihan Lin,
Jingsen Zhang, Shuqing Bian, **Jiakai Tang**, Wenqi Sun, Lanling Xu, Gaowei Zhang,
Zhen Tian, Changxin Tian, Shanlei Mu, Xinyan Fan, Xu Chen*, Ji-Rong Wen
🏆 **Runner-Up** **Best Resource Paper Runner-Up**

WWW '27 The 3rd Workshop on Human-Centered Recommender Systems

Jiakai Tang, Weixin Chen, Yuanhao Liu, Qi Cao, Shuchang Liu, Tun Lu, Zhaochun Ren, Li Chen, Fei Sun

arXiv '26 UserArena: Benchmarking Interactive User Simulation for Long-Horizon Shopping Agents

Jujia Zhao[†], **Jiakai Tang**[†], Jing Yu[†], Wen Chen, Jian Wu, Han Zhu, Fei Sun, Suzan Verberne, Zhaochun Ren

TOIS '26 RecGPT: A User Intent-Centric Next-Generation

CCF-A LLM-Powered Recommender System in Industrial Practice

📍 工业落地 **Jiakai Tang**, Wen Chen, Dian Chen, Chao Yi, Gaoyang Guo, Wenjun Yang, Jing Yu, Zhujiang Gao, Mao Zhang, Sunhao Dai, Xu Chen, Jian Wu, Yuning Jiang, Bo Zheng

arXiv '26 Think Harder Where It Matters: Item-Level Adaptive Recursion for Sequential Recommendation

Zhanshuo Cao[†], **Jiakai Tang**[†], Yuqi Zhou, Sunhao Dai, Jun Xu*

Preprint '26 From Local Constant to Local Linear:

📍 工业落地 A Principled Attention Generalization for Sequential Recommendation

Jiakai Tang, Wenqing Zhou, Weiqiu Wang, Yipeng Yu, Xu Chen, Runfeng Zhang, Yeqiu Yang, Jian Wu, Han Zhu

TKDE '26 Think Before Recommend: Unleashing the Latent Reasoning Power for Sequential Recommendation

CCF-A **Jiakai Tang**, Sunhao Dai[†], Teng Shi, Jun Xu, Xu Chen*, Wen Chen*, Jian Wu, Yuning Jiang

arXiv '26 Towards Faithful Simulation of Human Shopping Behavior

Jiakai Tang, Yan Mi, Jing Yu, Yang Zhang, See-Kiong Ng, Qi Cao,
Fei Sun, Xu Chen, Wen Chen, Jian Wu, Han Zhu, Bo Zheng

KDD '26 OnePiece: Bringing Context Engineering and Reasoning to Industrial Cascade Ranking System

CCF-A ★ **Oral** Sunhao Dai[†], **Jiakai Tang**[†], Jiahua Wu, Kun Wang, Yuxuan Zhu, Bingjun Chen, Bangyang Hong, Yu Zhao, Cong
Fu, Kangle Wu, Yabo Ni, Anxiang Zeng, Wenjie Wang*, Xu Chen, Jun Xu*, See-Kiong Ng
📍 工业落地

2026 Attend First, Write Later: Lookahead Memory Control for Efficient Long-Context Language Modeling

Under review **Jiakai Tang**, Xiaoyan Zhao, Xu Chen, Wen Chen, Jian Wu

KDD '26 Interactive recommendation agent with active user commands

CCF-A **Jiakai Tang**, Yujie Luo, Sunhao Dai, Xueyang Feng, Dian Chen, Xu Chen*, Wen Chen*, Jian Wu, Yuning Jiang

📍 工业落地

Publications (续)

- KDD '26** OneRank: Unified Transformer-Native Ranking Architecture for Multi-Task Recommendation
CCF-A **Jiakai Tang**, Sunhao Dai[†], Kun Wang, Zhiluohan Guo, Yu Zhao,
 工业落地 Cong Fu, Kangle Wu, Yabo Ni, Anxiang Zeng, Xu Chen, Jun Xu
- arXiv '26** Learning from the Future: Privileged Self-Distillation for Sequential Recommendation
Jiakai Tang, Yang Zhang, See-Kiong Ng, Xu Chen, Wen Chen, Jian Wu, Han Zhu
- arXiv '26** LoopCTR: Unlocking the Loop Scaling Power for Click-Through Rate Prediction
Jiakai Tang, Runfeng Zhang, Weiqiu Wang, Yifei Liu,
Chuan Wang, Xu Chen, Yeqiu Yang, Jian Wu, Yuning Jiang, Bo Zheng
- arXiv '26** Parallel latent reasoning for sequential recommendation
Jiakai Tang, Xu Chen, Wen Chen, Jian Wu, Yuning Jiang, Bo Zheng
- arXiv '25** ReaSeq: Unleashing World Knowledge via Reasoning for Sequential Modeling
 工业落地 **Jiakai Tang**, Chuan Wang, Gaoming Yang, Han Wu, Jiahao Yu, Jian Wu, Jianwu Hu, Junjun Zheng, Longbin Li,
Shuwen Xiao, Xiangheng Kong, Yeqiu Yang, Yuning Jiang, Bo Zheng
- arXiv '25** RecGPT-V2 Technical Report
 工业落地 **Jiakai Tang**, Wen Chen, Dian Chen, Chao Yi, Yujie Luo, Gaoyang Guo, Wenjun Yang,
Jing Yu, Zhuojing Gao, Mao Zhang, Xu Chen, Jian Wu, Yuning Jiang, Bo Zheng
- TOIS '25** Explainable recommendation with simulated human feedback
CCF-A **Jiakai Tang**, Jingsen Zhang, Zihang Tian, Xueyang Feng, Lei Wang, Xu Chen*
- ACL '25** KAPA: A deliberative agent framework with tree-structured
CCF-A knowledge base for multi-domain user intent understanding
Jiakai Tang, Shiqi Shen, Zhipeng Wang, Zhi Gong, Xueyang Feng, Zexu Sun, Haoran Tan, Xu Chen*
- NAACL '25** GenSim: A General Social Simulation Platform with Large Language Model based Agents
CCF-B **Jiakai Tang**, Heyang Gao, Xuchen Pan, Lei Wang, Haoran Tan, Dawei Gao, Yushuo Chen, Xu Chen*, Yankai Lin,
Yaliang Li, Bolin Ding, Jingren Zhou, Jun Wang, Ji-Rong Wen
- KDD '24** Towards robust recommendation via decision boundary-aware graph contrastive learning
CCF-A **Jiakai Tang**, Sunhao Dai, Zexu Sun, Xu Chen*, Jun Xu, Wenhui Yu, Lantao Hu, Peng Jiang, Han Li
- DASFAA '24** Robust graph recommendation via noise-aware adversarial perturbation
CCF-B **Jiakai Tang**, Zexu Sun, Wei Yao, Xu Chen*
- DASFAA '24** Fairness-aware cross-domain recommendation
CCF-B **Jiakai Tang**, Xueyang Feng, Xu Chen*
- RecSys '23** When fairness meets bias: a debiased framework for fairness aware top-n recommendation
CCF-B **Jiakai Tang**, Shiqi Shen, Zhipeng Wang, Zhi Gong, Jingsen Zhang, Xu Chen*
- arXiv '26** Proactive Agentic Orchestration
Xueyang Feng, Chaozhuo Li, Xiaohe Bo, **Jiakai Tang**, Chenxi Li, Qiwei Ye, Xu Chen
- WWW '26** The 2nd workshop on human-centered recommender systems
Kaike Zhang, **Jiakai Tang**, Du Su, Shuchang Liu, Julian McAuley, Lina Yao, Qi Cao, Yue Feng, Fei Sun

Publications (续)

- EMNLP '26** LaPR: Latent Preference Reasoning for Generative Personalized Retrieval
CCF-B ★ **Oral** Hanze Guo[†], Shunyu Zhang[†], **Jiakai Tang**, Jingwei Zhuo, Yi Zhang, Xuanping Li, Xiao Zhou
- WWW '26** Optimizing Multi-Turn Interactive Recommendation Agents via Generative Intrinsic Motivation
CCF-A Xueyang Feng, **Jiakai Tang**, Xu Chen, Quanyu Dai, Zhenhua Dong
- TechRxiv '26** Integrating Large Language Models with Reinforcement Learning: A Survey of LLM-RL Synergistic Recommendation
Mengyao Gao, Chongming Gao, **Jiakai Tang**, Jingsen Zhang, Xinpeng Zhao, Bohao Wang, Jiawei Chen, Haoran He, Ling Pan, Xu Chen, Xin Xin, Qingpeng Cai, Peng Jiang, Kun Gai, Haoyan Liu, Fuli Feng, Xiangnan He
- ACL '25** Expectation confirmation preference optimization for multi-turn conversational recommendation agent
CCF-A Xueyang Feng, Jingsen Zhang, **Jiakai Tang**, Wei Li, Guohao Cai, Xu Chen*, Quanyu Dai, Yue Zhu, Zhenhua Dong
- NAACL '25** Improving retrospective language agents via joint policy gradient optimization
CCF-B Xueyang Feng, Bo Lan, Quanyu Dai, Lei Wang, **Jiakai Tang**, Xu Chen*, Zhenhua Dong, Ji-Rong Wen
- TOIS '25** User Behavior Simulation with Large Language Model-based Agents
CCF-A Lei Wang, Jingsen Zhang, Hao Yang, Zhiyuan Chen, **Jiakai Tang**, Zeyu Zhang, Xu Chen*, Yankai Lin, Hao Sun, Ruihua Song, Xin Zhao, Jun Xu, Zhicheng Dou, Jun Wang, Ji-Rong Wen
- KDD '24** Natural language explainable recommendation with robustness enhancement
CCF-A Jingsen Zhang, **Jiakai Tang**, Xu Chen*, Wenhui Yu, Lantao Hu, Peng Jiang, Han Li
- DASFAA '24** Alleviating dimensional collapse problem in deep recommender models by designing uniformity layers
CCF-B Yabin Zhang, **Jiakai Tang**, Xu Chen*
- FCS '24** A survey on large language model based autonomous agents
CCF-B Lei Wang, Chen Ma, Xueyang Feng, Zeyu Zhang, Hao Yang, Jingsen Zhang, Zhiyuan Chen, **Jiakai Tang**, Xu Chen*, Yankai Lin, Xin Zhao, Zhewei Wei, Ji-Rong Wen
- SIGIR '23** Towards a more user-friendly and easy-to-use benchmark library for recommender systems
CCF-A Lanling Xu, Zhen Tian, Gaowei Zhang, Junjie Zhang, Lei Wang, Bowen Zheng, Yifan Li, **Jiakai Tang**, Zeyu Zhang, Yupeng Hou, Xingyu Pan, Xin Zhao, Xu Chen, Ji-Rong Wen
- ICDM '23** Robustness-enhanced uplift modeling with adversarial feature desensitization
CCF-B Zexu Sun, Bowei He, Ming Ma, **Jiakai Tang**, Yuchen Wang, Chen Ma, Dugang Liu
- WWW '23** Recommendation with causality enhanced natural language explanations
CCF-A Jingsen Zhang, Xu Chen, **Jiakai Tang**, Weiqi Shao, Quanyu Dai, Zhenhua Dong, Rui Zhang

受邀报告

- 2025.10.31 **推理增强推荐**
受邀于快手（北京元中心）进行主题分享。
- 2024.10.20 **基于大模型智能体的通用社会模拟平台**
受邀于中国计算机学会青年计算机科技论坛（CCF YOCSEF）济南进行分享。

发明专利

- 2026** 算法测试方法和装置、存储介质及电子设备
202611265083.6 唐嘉凯、密言、俞静、陈雯、伍健、朱晗、郑波
- 2025** 一种基于用户反馈驱动的可解释推荐优化系统
202510487191.7 唐嘉凯、张景森、陈旭
- 2025** 对象推荐方法、电子设备、存储介质和程序产品
202510962104.9 唐嘉凯、戴孙浩、陈旭
- 2025** 商品推荐方法和装置、存储介质及电子设备
202511377268.1 唐嘉凯、陈雯、罗玉杰、郗巡科、易超、陈点、高竹锦、伍健、姜宇宁、郑波
- 2022** 信息推荐及信息推荐模型处理方法、装置、设备和介质
202211639597.5 沈世奇、王智鹏、龚治、唐嘉凯、陈旭、张景森、邵维奇