

# 关 健

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## 教育经历

工学博士，计算机科学与技术系，清华大学  
导师：[黄民烈 教授](#)  
GPA: 3.56/4.00

2019年8月 - 2024年6月

理学学士，物理系，清华大学  
GPA: 3.50/4.00; 排名: 7/49

2015年8月 - 2019年6月

## 工作经历

副研究员，蚂蚁技术研究院，蚂蚁集团

2024年7月 - 至今

## 实习经历

研究科学家，[艾伦人工智能研究院 \(AI2\)](#)，西雅图，美国  
科研实习，弗吉尼亚大学，夏洛茨维尔，美国  
科研实习，CoAI Group，北京，清华大学，中国

2023年1月 - 2023年4月

2018年6月 - 2018年9月

2017年6月 - 2019年6月

## 研究亮点

- 发表 **20+** 篇一作或通讯论文 (NeurIPS, ICML, ICLR, ACL, AAAI, WWW, EMNLP, NAACL, TACL), 引用 **1300+**, H-index **15**
- 博士论文入选 **2024 年中国中文信息学会博士学位论文激励计划** (全国 **Top 10**) 和 **清华大学优秀博士论文**
- 多模态长视频理解模型 **ViLAMP** (ICML 2025, 一作) 在 **VideoMME** 榜单上取得 **开源 7B 模型 SOTA 表现**
- 故事风格迁移模型 **StoryTrans** (ACL 2023, 一作) 获 **ACL 2023 Area Chair Award**
- 中文长文本预训练模型 **LongLM** (TACL2022) 累计下载 **15k+**
- 博士期间长期深耕 **长文本生成和评价领域**, 包括 **数据资源构建** (ACL 2021; NAACL 2022; TACL 2022)、**提升长程连贯性** (ACL 2021; AAAI 2023)、**减少知识幻觉** (AAAI 2019; TACL 2020)、**提升生成可控性** (ACL 2022; NAACL 2022; ACL 2023)、**文本生成评价算法** (EMNLP 2020)
  - 数据使用和申请者包括 **Amazon**、**Meta**、**AI2**、**腾讯**、**网易**、**华为云** 等著名研究机构
  - 研究成果多次获得顶级名校教授的引用, 包括 **Kevin Knight** (ACL fellow)、**Ruslan Salakhutdinov** (CMU 教授, 引用 **10w+**)、**Yejin Choi** (UW 教授, 引用 **4w+**)、**Noah Smith** (UW 教授, 引用 **4w+**) 等

## 学术论文

研究兴趣: 自然语言生成、大模型复杂推理、个性化对齐

论文列表 (其中\*表示共同一作, †表示通讯, 按照时间倒序排列):

### 一. 自然语言生成

- Zhuocheng Gong\*, Ang Lv\*, **Jian Guan**†, Junxi Yan, Wei Wu, Huishuai Zhang, Minlie Huang, Dongyan Zhao, Rui Yan. Mixture-of-Modules: Reinventing Transformers as Dynamic Assemblies of Modules. In EMNLP 2024 (CCF-B 类会议).
- Jian Guan**, Jesse Dodge, David Wadden, Minlie Huang, Hao Peng. Language Models Hallucinate, but May Excel at Fact Verification. In NAACL 2024 (CCF-B 类会议).
- Jiaxin Wen, Hao Zhou, **Jian Guan**, Jie Zhou, Minlie Huang. Re3Dial: Retrieve, Reorganize and Rescale Conversations for Long-Turn Open-Domain Dialogue Pre-training. In EMNLP 2023 (CCF-B 类会议)

4. Xuekai Zhu\*, **Jian Guan**\*, Minlie Huang, Juan Liu. StoryTrans: Non-Parallel Story Author-Style Transfer with Discourse Representations and Content Enhancing. In ACL 2023 (CCF-A 类会议). **[Area Chair Award]**
5. Zhexin Zhang, **Jian Guan**, Xin Cui, Yu Ran, Bo Liu and Minlie Huang. Self-Supervised Sentence Polishing by Adding Engaging Modifiers. In ACL 2023 (Demo).
6. **Jian Guan**, Minlie Huang. Mitigating the Learning Bias towards Repetition by Self-Contrastive Training for Open-Ended Generation. In Findings of ACL 2023 (Short Paper).
7. **Jian Guan**, Zhenyu Yang, Rongsheng Zhang, Zhipeng Hu, Minlie Huang. Generating Coherent Narratives by Learning Dynamic and Discrete Entity States with a Contrastive Framework. In AAAI 2023 (CCF-A 类会议).
8. Zhexin Zhang\*, **Jian Guan**\*, Guowei Xu, Yixiang Tian, Minlie Huang. Automatic Comment Generation for Chinese Student Narrative Essays. In EMNLP 2022 (Demo).
9. **Jian Guan**, Zhuoer Feng, Yamei Chen, Ruilin He, Xiaoxi Mao, Changjie Fan, Minlie Huang. LOT: A Benchmark for Evaluating Chinese Long Text Understanding and Generation. In TACL 2022 (CCF-B 类期刊).
10. **Jian Guan**, Ziqi Liu, Minlie Huang. A Corpus for Understanding and Generating Moral Stories. In NAACL 2022 (CCF-B 类会议).
11. Jiabin Wen\*, Zhexin Zhang\*, **Jian Guan**, Minlie Huang. Persona-Guided Planning for Controlling the Protagonist's Persona in Story Generation. In NAACL 2022 (CCF-B 类会议).
12. **Jian Guan**, Minlie Huang. UNION: An Unreferenced Metric for Evaluating Open-ended Story Generation. In EMNLP 2020 (CCF-B 类会议).
13. **Jian Guan**, Fei Huang, Zhihao Zhao, Xiaoyan Zhu, and Minlie Huang. A knowledge-enhanced pretraining model for commonsense story generation. In TACL 2020 (CCF-B 类期刊).
14. **Jian Guan**, Xiaoxi Mao, changjie fan, Zitao Liu, Wenbiao Ding, Minlie Huang. Long Text Generation by Modeling Sentence-Level and Discourse-Level Coherence. In ACL 2021 (CCF-A 类会议).
15. **Jian Guan**, Zhexin Zhang, Zhuoer Feng, Zitao Liu, Wenbiao Ding, Xiaoxi Mao, Changjie Fan, Minlie Huang. OpenMEVA: A Benchmark for Evaluating Open-ended Story Generation Metrics. In ACL 2021 (CCF-A 类会议).
16. Xiangzhe Kong\*, Jialiang Huang\*, Ziquan Tung\*, **Jian Guan**, Minlie Huang. Stylized Story Generation with Style-Guided Planning. In Findings of ACL 2021 (Short Paper).
17. Zhengyan Zhang, **Jian Guan**, et al. CPM-2: Large-scale Cost-efficient Pre-trained Language Models. In AI Open 2021.
18. Zhengyan Zhang, **Jian Guan**, et al. CPM: A large-scale generative Chinese pre-trained language model. In AI Open 2021.
19. Pei Ke, **Jian Guan**, Minlie Huang, and Xiaoyan Zhu. Generating informative responses with controlled sentence function. In ACL 2018 (CCF-A 类会议).
20. **Jian Guan**\*, Yansen Wang\*, and Minlie Huang. Story ending generation with incremental encoding and commonsense knowledge. In AAAI 2019 (CCF-A 类会议).
21. Jianzhu Yao, Ziqi Liu, **Jian Guan**, Minlie Huang. A Benchmark for Understanding and Generating Dialogue between Characters in Stories. arxiv 2022.
22. Yuan Yao, **Jian Guan**, et al. Cuge: A chinese language understanding and generation evaluation benchmark. arxiv 2021.
23. Fei Huang, **Jian Guan**, Pei Ke, Qihan Guo, Xiaoyan Zhu, Minlie Huang. A text GAN for language generation with non-autoregressive generator. arxiv 2020.
24. Fei Huang, **Jian Guan**, et al. Cotk: An open-source toolkit for fast development and fair evaluation of text generation. arxiv 2020.

## 二. 大模型复杂推理

1. Chuanqi Cheng\*, **Jian Guan**\*, Wei Wu, Rui Yan. Scaling Video-Language Models to 10K Frames via Hierarchical Differential Distillation. In ICML 2025 (CCF-A 类会议).
2. Xuiliang Zhao, Wei Wu, **Jian Guan**, Lingpeng Kong. Promptcot: Synthesizing olympiad-level problems for mathematical reasoning in large language models. In Findings of ACL 2025.
3. Jiabin Wen\*, **Jian Guan**\*, Hongning Wang, Wei Wu, Minlie Huang. Unlocking Reasoning Potential in Large Language Models by Scaling Code-form Planning. In ICLR 2025.

4. Jia-Nan Li\*, **Jian Guan\***, Wei Wu, Zhengtao Yu, Rui Yan. 2D-TPE: Two-Dimensional Positional Encoding Enhances Table Understanding for Large Language Models. In WWW 2025 (CCF-A 类会议).

5. **Jian Guan**, Wei Wu, Zujie Wen, Peng Xu, Hongning Wang, Minlie Huang. AMOR: A Recipe for Building Adaptable Modular Knowledge Agents Through Process Feedback. In NeurIPS 2024 (CCF-A 类会议).

6. Chuanqi Cheng\*, **Jian Guan\***, Wei Wu, Rui Yan. From the Least to the Most: Building a Plug-and-Play Visual Reasoner via Data Synthesis. In EMNLP 2024 (CCF-B 类会议).

三. 个性化对齐

1. Zhuocheng Gong, **Jian Guan**, Wei Wu, Huishuai Zhang, Dongyan Zhao. Latent Preference Coding: Aligning Large Language Models via Discrete Latent Codes. In ICML 2025.

2. **Jian Guan\***, Junfei Wu\*, Jia-Nan Li\*, Chuanqi Cheng\*, Wei Wu. A Survey on Personalized Alignment–The Missing Piece for Large Language Models in Real-World Applications. In Findings of ACL 2025.

3. Jia-Nan Li\*, **Jian Guan\***, Songhao Wu, Wei Wu, Rui Yan. From 1,000,000 users to every user: Scaling up personalized preference for user-level alignment. arxiv 2025.

四. 其他领域

1. Xueying Bai\*, **Jian Guan\***, Hongning Wang. A Model-Based Reinforcement Learning with Adversarial Training for Online Recommendation. In NeurIPS 2019 (CCF-A 类会议).

2. Guhao Feng, Yihan Geng, **Jian Guan**, Wei Wu, Liwei Wang, Di He. Theoretical Benefit and Limitation of Diffusion Language Model. arxiv 2025.

3. Sahand Sabour et al. Human Decision-making is Susceptible to AI-driven Manipulation. arxiv 2025.

开源项目

1. [Must-Read Papers for Open-Ended Language Generation](#). (Github 190+ Stars)

2. [Chinese Long Text Pretraining Models: LongLM](#). (Download 15k+)

荣誉奖项

中国中文信息学会博士论文激励计划	2024年11月
清华大学优秀博士论文	2024年6月
微软亚洲研究院微软学者提名奖	2022年10月
博士研究生国家奖学金	2021年10月
北京市优秀毕业生	2019年6月
清华大学优良毕业生	2019年6月
清华大学优秀学生干部	2018年10月
清华大学综合优秀奖	2018年10月
清华大学综合优秀奖	2017年10月
清华大学学业优秀奖	2016年10月
清华大学社会实践奖学金	2016年10月
清华大学新生奖学金	2015年10月

社工经历

清华大学物理系学生会主席	2018年5月 - 2019年5月
清华大学物理系基科52班团支书	2017年9月 - 2018年9月
清华大学赴重庆武隆支教支队支队长	2016年6月 - 2016年7月