

Jian Guan (关 健)

CONTACT INFORMATION

Department of Computer Science and Technology, Tsinghua University, Beijing, China, 100084

Tel: +86 13051331318

Email: j-guan19@mails.tsinghua.edu.cn

Homepage: <https://jianguanthu.github.io/>

Google Scholar Page: <https://scholar.google.com/citations?user=BWCDa8YAAAAJ>

EDUCATION

Ph.D. Student, Dept. of Computer Science and Technology, Tsinghua University, Beijing Aug 2019 - present

Supervisor: Prof. [Minlie Huang](#)

B.S., Dept. of Physics, Tsinghua University, Beijing

Aug 2015 – Jun 2019

INTERN

Research Scientist, The Allen Institute for Artificial Intelligence, Seattle, the U.S.

Jan 2023 - Apr 2023

Intern, University of Virginia, Charlottesville, the U.S.

Jun 2018 - Sep 2018

Intern, CoAI Group, Tsinghua University, Beijing, China

Jun 2017 - Jun 2019

RESEARCH INTERESTS

Open-Ended Language Generation and Evaluation, Storytelling

RESEARCH HIGHLIGHTS

- Published **10+** papers in the top conferences/journals (ACL, AACL, NeurIPS, EMNLP, NAACL, TACL).
- Google Scholar Citations **1000+**, H-index **12**.
- Story Style Transfer (published in ACL 2023, co-first author), which presents the first study on long text style transfer without any parallel data, has won the **Area Chair Award**.
- Commonsense Story Generation (published in TACL 2020, first author), which is one of the earliest studies to incorporate commonsense knowledge into the generative pre-training models, has received **230+** Google scholar citations since January, 2020.
- Story Ending Generation (published in AAAI 2019, co-first author) was reported by TechXplore and has received **160+** Google scholar citations since January, 2020.
- The Chinese Long Text Pre-training Model LongLM (published in TACL 2022, first author) has received **1000+** downloads per month since November, 2021.

MAIN PUBLICATIONS

** indicates equal contribution*

- Jian Guan***, Yansen Wang*, and Minlie Huang. Story ending generation with incremental encoding and commonsense knowledge. In AAAI 2019.
- Xueying Bai*, **Jian Guan***, Hongning Wang. A Model-Based Reinforcement Learning with Adversarial Training for Online Recommendation. In NeurIPS 2019.
- 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.

4. **Jian Guan**, Zhixin 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](#).
5. **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](#).
6. Xuekai Zhu*, **Jian Guan***, Minlie Huang, Juan Liu. StoryTrans: Non-Parallel Story Author-Style Transfer with Discourse Representations and Content Enhancing. In [ACL 2023](#). [\[Area Chair Award\]](#)
7. **Jian Guan**, Fei Huang, Zhihao Zhao, Xiaoyan Zhu, and Minlie Huang. A knowledge-enhanced pretraining model for commonsense story generation. In [TACL 2020](#).
8. **Jian Guan**, Minlie Huang. UNION: An Unreferenced Metric for Evaluating Open-ended Story Generation. In [EMNLP 2020](#).
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](#).
10. **Jian Guan**, Ziqi Liu, Minlie Huang. A Corpus for Understanding and Generating Moral Stories. In [NAACL 2022](#).
11. **Jian Guan**, Jesse Dodge, David Wadden, Minlie Huang, Hao Peng. Language Models Hallucinate, but May Excel at Fact Verification. In [NAACL 2024](#).
12. **Jian Guan**, Minlie Huang. Mitigating the Learning Bias towards Repetition by Self-Contrastive Training for Open-Ended Generation. In [Findings of ACL 2023 \(Short Paper\)](#).
13. Zhixin Zhang*, **Jian Guan***, Guowei Xu, Yixiang Tian, Minlie Huang. Automatic Comment Generation for Chinese Student Narrative Essays. In [EMNLP 2022 \(Demo\)](#).
14. Pei Ke, **Jian Guan**, Minlie Huang, and Xiaoyan Zhu. Generating informative responses with controlled sentence function. In [ACL 2018](#).
15. Zhengyan Zhang, **Jian Guan**, et al. CPM: A large-scale generative Chinese pre-trained language model. In [AI Open 2021](#).
16. Zhengyan Zhang, **Jian Guan**, et al. CPM-2: Large-scale Cost-efficient Pre-trained Language Models. In [AI Open 2021](#).
17. Jiabin Wen*, Zhixin Zhang*, **Jian Guan**, Minlie Huang. Persona-Guided Planning for Controlling the Protagonist's Persona in Story Generation. In [NAACL 2022](#).
18. Xiangzhe Kong*, Jialiang Huang*, Ziquan Tung*, **Jian Guan**, Minlie Huang. Stylized Story Generation with Style-Guided Planning. In [Findings of ACL 2021 \(Short Paper\)](#).
19. Zhixin Zhang, **Jian Guan**, Xin Cui, Yu Ran, Bo Liu and Minlie Huang. Self-Supervised Sentence Polishing by Adding Engaging Modifiers. In [ACL 2023 \(Demo\)](#).

OPEN-SOURCED PROJECTS

1. [Must-Read Papers for Open-Ended Language Generation](#). (Github 160+ Stars)
2. [Chinese Long Text Pretraining Models: LongLM](#). (Download 1000+/month)

AWARDS AND HONORS

Microsoft Research Asia Fellowship Nomination Award	2022
National scholarship for doctoral students	2021
Excellent Undergraduate, Beijing	2019
Outstanding Undergraduate, Tsinghua University	2019
Overall Excellence Scholarship, Tsinghua University	2018
Overall Excellence Scholarship, Tsinghua University	2017
Academic Excellence Scholarship, Tsinghua University	2016
Social Work Excellence Scholarship, Tsinghua University	2016
Freshman Scholarship, Tsinghua University	2015