

# Chujie Zheng 郑楚杰

## Contact Information

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## Research Overview and Highlights

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- I have a broad research interest in building **efficient, scalable, and trustworthy** AI systems, with the current focus on **LLM alignment**. My research goal is to **advance and oversee AI systems with minimal human intervention and ensure they work responsibly and transparently**.
- I have conducted extensive research on **LLMs for social good**, with a main focus on building **LLMs for emotional support**.
- I maintain the [GitHub repository](#) of **chat templates for LLMs**, which has received **550+** stars.
- Google Scholar citations **1400+**, h-index **18**, i10-index **19**.

## Education

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- **Ph.D. candidate** in Computer Science and Technology, Tsinghua University Sep 2020 – Present  
Advisor: [Minlie Huang](#)
- **Visiting Scholar**, UCLA Nov 2023 – Jun 2024  
Host: [Nanyun \(Violet\) Peng](#)
- **B.S.** in Foundational Mathematics and Physics, Tsinghua University Aug 2016 – Jun 2020

## Work Experiences

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- Research Intern. Qwen Post-training Team, **Alibaba Cloud** Oct 2024 – Present
  - Contributed to the **QwQ-32B-Preview** reasoning model.
  - Led the **ProcessBench** benchmark and evaluation.
- Research Intern. AI Alignment Team, **01.AI** Jul 2024 – Oct 2024
  - Improved **Yi**'s mathematical reasoning ability via reward model enhancement.
  - **Yi-Lightning** ranks **#6** on Chatbot Arena and **#3** in **Math** Category (as of 10/14/2024).
- Research Intern. General Dialogue Team, **Baidu** Feb 2022 – Jun 2022
  - Improved **PLATO**'s dialogue consistency via building contradiction detectors.

## Selected Projects/Papers

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1. **ProcessBench: Identifying Process Errors in Mathematical Reasoning**  
Chujie Zheng, Zhenru Zhang, Beichen Zhang, Runji Lin, Keming Lu, Bowen Yu, Dayiheng Liu, Jingren Zhou, Junyang Lin  
[\[paper\]](#) [\[📊 data\]](#) [\[code\]](#)
2. **QwQ: Reflect Deeply on the Boundaries of the Unknown**  
Qwen Team  
[\[blog\]](#) [\[model\]](#) [\[demo\]](#)
3. **Yi-Lightning Technical Report**  
01.AI  
[\[tech report\]](#)
4. **Weak-to-Strong Extrapolation Expedites Alignment**  
Chujie Zheng, Ziqi Wang, Heng Ji, Minlie Huang, Nanyun Peng  
*arXiv:2404.16792*  
**70K+ downloads on 🤗 HuggingFace (10K+ in 2 weeks)**  
[\[paper\]](#) [\[repo\]](#) [\[🤗 HuggingFace\]](#)
5. **On Prompt-Driven Safeguarding for Large Language Models**  
Chujie Zheng, Fan Yin, Hao Zhou, Fandong Meng, Jie Zhou, Kai-Wei Chang, Minlie Huang, Nanyun Peng  
*ICML 2024 || SeT LLM Workshop @ ICLR 2024 (Oral: 5%)*  
[\[paper\]](#) [\[repo\]](#)
6. **Chat Templates for 🤗 HuggingFace Large Language Models**  
Chujie Zheng  
*GitHub Repository (550+ stars)*  
[\[repo\]](#)
7. **Large Language Models Are Not Robust Multiple Choice Selectors**  
Chujie Zheng, Hao Zhou, Fandong Meng, Jie Zhou, Minlie Huang  
*ICLR 2024 (Spotlight: 5%; Adopted by LLaMA-3's technical report)*  
[\[paper\]](#) [\[repo\]](#)
8. **Click: Controllable Text Generation with Sequence Likelihood Contrastive Learning**  
Chujie Zheng, Pei Ke, Zheng Zhang, Minlie Huang  
*Findings of ACL 2023*  
[\[paper\]](#) [\[repo\]](#)
9. **AugESC: Dialogue Augmentation with Large Language Models for Emotional Support Conversation**  
Chujie Zheng, Sahand Sabour, Jiaxin Wen, Zheng Zhang, Minlie Huang  
*Findings of ACL 2023*  
[\[paper\]](#) [\[repo\]](#)
10. **Towards Emotional Support Dialog Systems**  
Siyang Liu\*, Chujie Zheng\*, Orianna Demasi, Sahand Sabour, Yu Li, Zhou Yu, Yong Jiang, Minlie Huang (\*: Equal contribution)

## Other Papers

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11. **CASE: Aligning Coarse-to-Fine Cognition and Affection for Empathetic Response Generation**  
Jinfeng Zhou\*, Chujie Zheng\*, Bo Wang, Zheng Zhang, Minlie Huang  
*ACL 2023 (Oral)*
12. **EVA2.0: Investigating Open-domain Chinese Dialogue Systems with Large-scale Pre-training**  
Yuxian Gu\*, Jiaxin Wen\*, Hao Sun\*, Yi Song, Pei Ke, Chujie Zheng, Zheng Zhang, Jianzhu Yao, Lei Liu, Xiaoyan Zhu, Minlie Huang  
*Machine Intelligence Research 2023*
13. **CDConv: A Benchmark for Contradiction Detection in Chinese Conversations**  
Chujie Zheng\*, Jinfeng Zhou\*, Yinhe Zheng, Libiao Peng, Zhen Guo, Wenquan Wu, Zhengyu Niu, Hua Wu, Minlie Huang  
*EMNLP 2022 (Oral)*
14. **COLD: A Benchmark for Chinese Offensive Language Detection**  
Jiawen Deng\*, Jingyan Zhou\*, Hao Sun, Chujie Zheng, Fei Mi, Helen Meng, Minlie Huang  
*EMNLP 2022 (Oral)*
15. **On the Safety of Conversational Models: Taxonomy, Dataset, and Benchmark**  
Hao Sun\*, Guangxuan Xu\*, Jiawen Deng, Jiale Cheng, Chujie Zheng, Hao Zhou, Nanyun Peng, Xiaoyan Zhu, Minlie Huang  
*Findings of ACL 2022*
16. **CEM: Commonsense-aware Empathetic Response Generation**  
Sahand Sabour, Chujie Zheng, Minlie Huang  
*AAAI 2022 (Oral)*
17. **Exploring Prompt-based Few-shot Learning for Grounded Dialog Generation**  
Chujie Zheng, Minlie Huang  
*arXiv:2109.06513*
18. **EVA: An Open-Domain Chinese Dialogue System with Large-Scale Generative Pre-Training**  
Hao Zhou\*, Pei Ke\*, Zheng Zhang\*, Yuxian Gu, Yinhe Zheng, Chujie Zheng, Yida Wang, Chen Henry Wu, Hao Sun, Xiaocong Yang, Bosi Wen, Xiaoyan Zhu, Minlie Huang, Jie Tang  
*arXiv:2108.01547*
19. **CoMAE: A Multi-factor Hierarchical Framework for Empathetic Response Generation**  
Chujie Zheng, Yong Liu, Wei Chen, Yongcai Leng, Minlie Huang  
*Findings of ACL-IJCNLP 2021*
20. **PsyQA: A Chinese Dataset for Generating Long Counseling Text for Mental Health Support**  
Hao Sun\*, Zhenru Lin\*, Chujie Zheng, Siyang Liu, Minlie Huang  
*Findings of ACL-IJCNLP 2021*
21. **Difference-aware Knowledge Selection for Knowledge-grounded Conversation Generation**

**Chujie Zheng**, Yunbo Cao, Daxin Jiang, Minlie Huang

*Findings of EMNLP 2020*

22. **KdConv: A Chinese Multi-domain Dialogue Dataset Towards Multi-turn Knowledge-driven Conversation**

Hao Zhou\*, **Chujie Zheng\***, Kaili Huang, Minlie Huang, Xiaoyan Zhu

*ACL 2020*

23. **ChID: A Large-scale Chinese IDiom Dataset for Cloze Test**

**Chujie Zheng**, Minlie Huang, Aixin Sun

*ACL 2019*

## Selected Awards and Honors

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- Comprehensive Merit Scholarship, Tsinghua University 2021 – 2024
- Outstanding Undergraduate, Tsinghua University 2020
- China National Scholarship (Top 2/100) 2019
- Comprehensive Merit Scholarship, Tsinghua University 2018

## Academic Services

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- **Area Chair:** ACL (24), EMNLP (24), NAACL (25), ACL Rolling Review (24)
- **Reviewer:** ICLR (25), NeurIPS (24), ICML (24), COLM (24), ACL (22/23), EMNLP (21/22), NAACL (24), EACL (23), ACL Rolling Review (21/22/23), CogSci (24), AAAI (22/23)