Jiangjie Chen

Fudan University
School of Computer Science
2005, Songhu Rd., Shanghai, China

Email: jjchen19@fudan.edu.cn
Homepage: https://jiangjiechen.github.io/

Research Interests

Devoted to reasoning over natural language and making neural models right for the right reasons. Main interested research topics include:

Explainable Natural Language Reasoning;

Factual and Controllable Text Generation.

Education

Ph.D. in Computer Science, Fudan University, 2019 – 2024 (estimated).

B.S. in Computer Science (with honor), Fudan University, 2014 – 2019.

Publications

[*: Equal Contribution]

Under Review

1. *NAIL: Towards Benchmarking Naive Logical Reasoning over Text*
   Xinbo Zhang*, Changzhi Sun*, **Jiangjie Chen**, Yue Zhang, Hao Zhou, Lei Li.
   Long paper, in: *submitted to TACL (2022 April)*.

Proceedings

1. *Neighbors Are Not Strangers: Improving Non-Autoregressive Translation under Low-Frequency Lexical Constraints*
   Chun Zeng*, **Jiangjie Chen***, Tianyi Zhuang, Rui Xu, Hao Yang, Ying Qin, Shimin Tao, Yanghua Xiao.
   Long paper, in: *NAACL-HLT 2022*.

2. *E-KAR: A Benchmark for Rationalizing Natural Language Analogical Reasoning*
   Jiangjie Chen, Rui Xu, Ziquan Fu, Wei Shi, Zhongqiao Li, Xinbo Zhang, Changzhi Sun, Lei Li, Yanghua Xiao and Hao Zhou.
   Long paper, in: *Findings of ACL 2022*.

3. *FalCon: A Faithful Contrastive Framework for Response Generation in TableQA Systems*
   Shineng Fang, **Jiangjie Chen**, Xinyao Shen, Yunwen Chen, Yanghua Xiao.
   Long paper, in: *DASFAA 2022*.

4. LoReN*: Logic-Regularized Reasoning for Interpretable Fact Verification*
   Jiangjie Chen, Qiaoben Bao, Changzhi Sun, Xinbo Zhang, Jiaze Chen, Hao Zhou, Yanghua Xiao, Lei Li.
   Regular paper, in: *AAAI 2022* (oral).

5. *Unsupervised Editing for Counterfactual Stories*
   Jiangjie Chen, Chun Gan, Sijie Cheng, Hao Zhou, Yanghua Xiao, Lei Li.
   Regular paper, in: *AAAI 2022* (oral).

6. *Diversified Query Generation Guided with Knowledge Graph*
   Xinyao Shen, **Jiangjie Chen**, Jiaze Chen, Chun Zeng, Yanghua Xiao.
   Long paper, in: *WSDM 2022*.

7. *Harvesting More Answer Spans from Paragraphs beyond Annotation*
   Qiaoben Bao, **Jiangjie Chen**, Linfang Liu, Jiaqing Liang, Jingping Liu, Yanghua Xiao.
   Long paper, in: *WSDM 2022*.

8. *Diversified Paraphrase Generation with Commonsense Knowledge Graph*
   Xinyao Shen, **Jiangjie Chen**, Yanghua Xiao.
   Long paper, in: *NLPCC 2021* (oral).

9. *Probabilistic Graph Reasoning for Natural Proof Generation*
   Changzhi Sun*, Xinbo Zhang*, **Jiangjie Chen**, Chun Gan, Yuanbin Wu, Jiaze Chen, Hao Zhou, Lei Li.
   Long paper, in: *Findings of ACL 2021*.

10. *Ensuring Readability and Data-fidelity using Head-modifier Templates in Deep Type Description Generation*
    Jiangjie Chen, Ao Wang, Haiyun Jiang, Suo Feng, Chenguang Li, Yanghua Xiao.
    Long paper, in: *ACL 2019*.

11. *CN-Probase: A Data-driven Approach for Large-scale Chinese Taxonomy Construction*
    Jindong Chen, Ao Wang, **Jiangjie Chen**, Yanghua Xiao, Zhendong Chu, Jingping Liu, Jiaqing Liang, Wei Wang.
    Short paper, in: *ICDE 2019*.

Experience

ByteDance AI Lab, *Nov. 2019 – Present*.

  Role: Research Intern

  Advisors: Prof. Lei Li (now at UCSB), Dr. Hao Zhou, Dr. Changzhi Sun

  Topics: Knowledge-guided Generation, Natural Language Reasoning

Knowledge Works Lab at Fudan University, *Apr. 2017 – Present*.

  Role: Student Researcher

  Advisor: Prof. Yanghua Xiao

  Topics: Text Generation, Natural Language Reasoning, Knowledge Graph

Academic Services

Program Committee/Reviewer of EMNLP (2021), AAAI (2021, 2022), NLPCC (2021).

Last updated: April 14, 2022
https://jiangjiechen.github.io/