Jiangjie Chen

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

Phone: (+86) 158-5705-2999
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. *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: *submitted to ACL ARR 2022 (Janurary)*.

Proceedings

1. *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*.

2. 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*.

3. 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).

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

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

6. *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*.

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

8. *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*.

9. *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*.

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*.

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).