SHIJIE CHEN

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RESEARCH INTEREST

My research interest lies in natural language processing (NLP) with an emphasis on semantic parsing and task-oriented dialogue systems. I'm also interested in building interpretable and trustworthy AI systems.

EDUCATION

The Ohio State University (OSU)   Sep 2021 – Present
Ph.D. in Computer Science and Engineering   Columbus, OH, USA
Co-advised by Prof. Yu Su and Prof. Huan Sun

Southern University of Science and Technology (SUSTech)   Sep 2016 – Jun 2020
B.E. in Computer Science and Technology   Shenzhen, China

PROFESSIONAL EXPERIENCE

Graduate Research Associate   Sep 2021 – Present
OSU NLP Group   Columbus, OH, USA
Advisors: Prof. Yu Su and Prof. Huan Sun

Research Assistant   Sep 2020 – June 2021
Department of Computer Science and Engineering, SUSTech   Shenzhen, China
Advisor: Prof. Yu Zhang

Machine Learning Engineer Intern   Jun 2019 – Jun 2020
AI Lab, ZhuiYi Technology   Shenzhen, China
Manager: Dr. Xuefeng Yang

SELECTED PAPERS

1. Error Detection for Interactive Text-to-SQL Semantic Parsing
   Shijie Chen, Ziru Chen, Huan Sun, and Yu Su.
   Accpeted to The 2nd Workshop on Interactive Learning for Natural Language Processing.
2. Bootstrapping a User-Centered Task-Oriented Dialogue System
   Shijie Chen*, Ziru Chen*, Xiang Deng, Ashley Lewis, Lingbo Mo, Samuel Stevens, Zhen Wang, Xiang Yue, Tianshu Zhang, Yu Su, and Huan Sun.
   ∗:Team leads, equal contribution
   Alexa Prize TaskBot Challenge Proceedings, 2022
3. Multi-task learning in natural language processing: An overview
   Shijie Chen, Yu Zhang, and Qiang Yang.
   arXiv preprint, 2021
   Under review at ACM Computing Surveys
4. Technical report on Conversational Question Answering.
   Ying Ju, Fubang Zhao, **Shijie Chen**, Bowen Zheng, Xuefeng Yang, and Yunfeng Liu.
   arXiv preprint, 2019

AWARDS

3rd place in the 1st Alexa Prize TaskBot Challenge ($50K prize), Amazon   2022
Outstanding Graduate Award, Department of Computer Science and Engineering, SUSTech   2020

SERVICE

Program Committee/Reviewer: AAAI 2023, AKBC 2022
Secondary Reviewer: EMNLP 2021

TECHNICAL SKILLS

Python, PyTorch, SQL, Java