

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) <i>Ph.D.</i> in Computer Science and Engineering Co-advised by Prof. Yu Su and Prof. Huan Sun	Sep 2021 – Present Columbus, OH, USA
Southern University of Science and Technology (SUSTech) <i>B.E.</i> in Computer Science and Technology	Sep 2016 – Jun 2020 Shenzhen, China

PROFESSIONAL EXPERIENCE

Graduate Research Associate <i>OSU NLP Group</i> Advisors: Prof. Yu Su and Prof. Huan Sun	Sep 2021 – Present Columbus, OH, USA
Research Assistant <i>Department of Computer Science and Engineering, SUSTech</i> Advisor: Prof. Yu Zhang	Sep 2020 – June 2021 Shenzhen, China
Machine Learning Engineer Intern <i>AI Lab, ZhuiYi Technology</i> Manager: Dr. Xuefeng Yang	Jun 2019 – Jun 2020 Shenzhen, China

SELECTED PAPERS

1. Error Detection for Interactive Text-to-SQL Semantic Parsing
Shijie Chen, Ziru Chen, Huan Sun, and Yu Su.
Accepted to *Second Workshop on Interactive Learning for Natural Language Processing*, 2022
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

3 rd 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