

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

Applied Scientist Intern May 2023 – Aug 2023
Amazon Alexa AI
Sunnyvale, CA, USA
Manager: Dr. Di Jin

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, Zirui Chen, Huan Sun, and Yu Su.
In Findings of the Association for Computational Linguistics: EMNLP 2023
2. Mind2Web: Towards a Generalist Agent for the Web
Xiang Deng, Yu Gu, Boyuan Zheng, **Shijie Chen**, Samuel Stevens, Boshi Wang, Huan Sun, and Yu Su
Advances in Neural Information Processing Systems, 2023
3. Text-to-SQL Error Correction with Language Models of Code
Zirui Chen, **Shijie Chen**, Michael White, Raymond Mooney, Ali Payani, Jayanth Srinivasa, Yu Su, and Huan Sun
Accepted to *The 2023 Conference on Empirical Methods in Natural Language Processing*, 2023
4. Bootstrapping a User-Centered Task-Oriented Dialogue System
Shijie Chen*, Zirui 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

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