SHUAICHEN CHANG

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Department of Computer Science and Engineering, The Ohio State University

https://shuaichenchang.github.io/

EDUCATION

The Ohio State University   Aug 2017 - Present
Ph.D. student in Computer Science and Engineering
GPA: 3.80/4.0

Fudan University   Sep 2013 - Jun 2017
Bachelor in Computer Science and Technology, Outstanding Student Honor Program
Major GPA: 3.81/4.0

EXPERIENCE

Research/Teaching Assistant, The Ohio State University   Aug 2017 - Present

Advisor: Eric Fosler-Lussier

Working on bridging structure data (database, map image) and natural language text, including semantic parsing and multimodal question answering.

Applied Scientist Intern, Amazon AWS AI   May 2022 - Aug 2022

Mentor: Jun Wang, Patrick Ng, Zhiguo Wang

Worked on the evaluation of text-to-SQL models toward robustness.

Applied Scientist Intern, Amazon Alexa AI   May 2021 - Aug 2021

Mentor: Vaibhav Kumar, Sunghyun Park, Sungjin Lee

Worked on heterogeneous feature representation pre-training in large-scale conversational AI system.

Research and Development Intern, Pinterest   May 2020 - Aug 2020

Mentor: Supeng Ge, Mao Ye

Developed a unified ads retrieval model on different surfaces, outperformed the production model up to 15% on revenue and 10% on user engagement.

Research Intern, JD.com AI research   May 2018 - Aug 2018

Mentor: Jing Huang, Xiaodong He

Worked on converting natural language question to structured query (SQL) for unseen Database tables.

PUBLICATIONS

ExplainaBoard: An Explainable Leaderboard for NLP   ACL , 2021
Pengfei Liu, Jinlan Fu, Yang Xiao, Weizhe Yuan, Shuaichen Chang, Junqi Dai, Yixin Liu, Zihuiwen Ye, Graham Neubig   *Best Demo Paper*

Prefix-to-SQL: Text-to-SQL Generation from Incomplete User Questions ACL NLP4Prog workshop, 2021
Naihao Deng, Shuaichen Chang, Peng Shi, Tao Yu, Rui Zhang

Did You Ask a Good Question? A Cross-Domain Question Intention Classification Benchmark for Text-to-SQL   EMNLP IntEx-SemPar workshop, 2020
Yusen Zhang, Xiangyu Dong, Shuaichen Chang, Tao Yu, Peng Shi, Rui Zhang

Zero-shot Text-to-SQL Learning with Auxiliary Task AAAI, 2020
Shuaichen Chang, Pengfei Liu, Yun Tang, Jing Huang, Xiaodong He, Bowen Zhou

Contextualized Non-local Neural Networks for Sequence Learning AAAI, 2019
Pengfei Liu, Shuaichen Chang, Xuanjing Huang, Jian Tang, Jackie Chi Kit Cheung

TEACHING

Instructor, Introduction to Artificial Intelligence (CSE3521) Fall 2022

SELECTED AWARDS

Post-internship Fellowship, Amazon 2022

Honors Student in Top Talent Undergraduate Training Program, Fudan University 2017

National Scholarship, Ministry of Education of P.R.China 2016

National Scholarship, Ministry of Education of P.R.China 2015

Silver Medal in the ACM-ICPC Asia Regional, ACM-ICPC 2013

PROFESSIONAL SKILLS

Programming Languages Python, C/C++, Java, SQL
Libraries Pytorch, TensorFlow, Theano, OpenCV