

YIHENG SHU (舒意恒)

Telephone/WeChat: +(86) 139-8390-4290

E-mail: shu.251@osu.edu ♦ Homepage: <https://yihengshu.github.io> ♦ [Google Scholar](#)

EDUCATION & EXPERIENCE

Ph.D. Student in Computer Science, The Ohio State University *Columbus, OH, Aug. 2023 - Now*
Advised by Prof. Yu Su, OSU NLP Group

Master in Computer Technology, Nanjing University *Nanjing, China, Sep. 2020 - Jun. 2023*
Advised by Prof. Yuzhong Qu, Websoft research group *GPA: 90.96 / 100*

Bachelor in Software Engineering, Northeastern University *Shenyang, China, Sep. 2016 - Jun. 2020*
Advised by Prof. Guibing Guo and Prof. Gang Wu. *GPA: 4.1073 / 5.0, top 1.7%*

Full-time Research Intern, Microsoft Research Asia *Beijing, China, Feb. 2022 - Feb. 2023*
Advised by Researcher Zhiwei Yu, Knowledge Computing group

RESEARCH INTERESTS

My research interests focus on semantic parsing, i.e., the process of converting natural language utterance into logical form, and related tasks include knowledge base question answering (KBQA). I am interested in the following approaches: 1) grounding language models for semantic parsing, and 2) augmenting data for semantic parsing. Before that, I did some research on recommender systems.

PUBLICATIONS

6. Question Decomposition Tree for Answering Complex Questions over Knowledge Bases

[AAAI'23] Xiang Huang, Sitao Cheng, **Yiheng Shu**, Yuheng Bao, Yuzhong Qu

5. [TIARA: Multi-grained Retrieval for Robust Question Answering over Large Knowledge Base](#)

[EMNLP'22] **Yiheng Shu**, Zhiwei Yu, Yuhan Li, Börje F. Karlsson, Tingting Ma, Yuzhong Qu, Chin-Yew Lin

4. [Logical Form Generation via Multi-task Learning for Complex Question Answering over Knowledge Bases](#)

[COLING'22] Xixin Hu, Xuan Wu, **Yiheng Shu**, Yuzhong Qu

3. [EDG-based Question Decomposition for Complex Question Answering over Knowledge Bases](#)

[ISWC'21] Xixin Hu, **Yiheng Shu**, Xiang Huang, Yuzhong Qu

2. [Deep Learning for Sequential Recommendation: Algorithms, Influential Factors, and Evaluations](#)

[TOIS'20] Hui Fang, Danning Zhang, **Yiheng Shu**, Guibing Guo

1. [Deep Learning-based Sequential Recommender Systems: Concepts, Algorithms, and Evaluations](#)

[ICWE'19 tutorial] Hui Fang, Danning Zhang, Guibing Guo, **Yiheng Shu**

SELECTED HONORS & AWARDS

First-class Yingcai Scholarship, Nanjing University *2022*

First-class Academic Scholarship for Master Students, Nanjing University *2020 - 2022*

Provincial Excellent Graduates (top 3%), Education Department of Liaoning Province *2020*

Meritorious Winner in MCM/ICM (international top 7%), COMAP *2019*

Suzhou Industrial Park Scholarship(top 5%), Northeastern University (China) *2019*

Pacemaker to Outstanding Student (top 1%), Northeastern University (China) *2018*

National Scholarship (top 3%), Ministry of Education of the P.R. China *2018*

Last modified: Aug., 2023