

Yifei Li

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Columbus, OH - 43220, USA

EDUCATION

- **Ph.D. Student in Computer Science**, The Ohio State University *Columbus, OH, Aug. 2023 - May. 2028 (Expected)*
Advised by Prof. Huan Sun, OSU NLP Group
- **Master in Computer Science**, Peking University *Beijing, China, Sep. 2020 - Jul. 2023*
Advised by Prof. Junfeng Hu, Institute of Computational Linguistics
- **Bachelor in Software Engineering**, Northeastern University *Shenyang, China, Sep. 2016 - Jun. 2020*
Advised by Prof. Guibing Guo.

WORK EXPERIENCE

- **Research Intern**, Microsoft Research *Redmond, WA, May. 2026 - Aug. 2026*
Advised by Dr. Yadong Lu, MSR AI Frontiers
- **Research Intern**, Microsoft Research Asia *Beijing, China, Jul. 2021 - Jul. 2022*
Advised by Dr. Zeqi Lin, Data and Knowledge Intelligence Group

PUBLICATIONS

- [1] **D3-Gym: Constructing Real-World Verifiable Environments for Data-Driven Discovery**
[EMNLP 2026, **Award Nominated**] Hanane Nour Moussa*, Yifei Li*, Zhuoyang Li, Yankai Yang, Cheng Tang, Tianshu Zhang, Nesreen K. Ahmed, Ali Payani, Ziru Chen, Huan Sun [\[Code\]](#) [\[Data\]](#)
- [2] **AutoSDT: Scaling Data-Driven Discovery Tasks Toward Open Co-Scientists**
[EMNLP 2025][COLM 2025 LM4Sci Workshop **Best Paper Award**] Yifei Li*, Hanane Nour Moussa*, Ziru Chen, Shijie Chen, Botao Yu, Mingyi Xue, Benjamin Burns, Tzu-Yao Chiu, Vishal Dey, Zitong Lu, Chen Wei, Qianheng Zhang, Tianyu Zhang, Song Gao, Xuhui Huang, Xia Ning, Nesreen K. Ahmed, Ali Payani, Huan Sun
- [3] **Mind2Web 2: Evaluating Agentic Search with Agent-as-a-Judge**
[NeurIPS 2025] Boyu Gou*, Zanning Huang*, Yuting Ning*, Yu Gu, Michael Lin, Weijian Qi, Andrei Kopanav, Botao Yu, Bernal Jiménez Gutiérrez, Yiheng Shu, Chan Hee Song, Jiaman Wu, Shijie Chen, Hanane Nour Moussa, Tianshu Zhang, Jian Xie, Yifei Li, Tianci Xue, Zeyi Liao, Kai Zhang, Boyuan Zheng, Zhaowei Cai, Viktor Rozgic, Morteza Ziyadi, Huan Sun, Yu Su
- [4] **ScienceAgentBench: Toward Rigorous Assessment of Language Agents for Data-Driven Scientific Discovery**
[ICLR 2025] Ziru Chen*, Shijie Chen, Yuting Ning, Qianheng Zhang, Boshi Wang, Botao Yu, Yifei Li, Zeyi Liao, Chen Wei, Zitong Lu, Vishal Dey, Mingyi Xue, Frazier N Baker, Benjamin Burns, Daniel Adu-Ampratwum, Xuhui Huang, Xia Ning, Song Gao, Yu Su, Huan Sun
- [5] **Math-Shepherd: Verify and Reinforce LLMs Step-by-Step without Human Annotations**
[ACL 2024] Peiyi Wang*, Lei Li, Zhihong Shao, Runxin Xu, Damai Dai, Yifei Li, Deli Chen, Yu Wu, Zhifang Sui
- [6] **AttributionBench: How Hard is Automatic Attribution Evaluation?**
[ACL 2024 (Findings)] Yifei Li*, Xiang Yue, Zeyi Liao, Huan Sun
- [7] **TableLlama: Towards Open Large Generalist Models for Tables**
[NAACL 2024] Tianshu Zhang*, Xiang Yue, Yifei Li, Huan Sun
- [8] **Making Language Models Better Reasoners with Step-Aware Verifier**
[ACL 2023] Yifei Li*, Zeqi Lin, Shizhuo Zhang, Qiang Fu, Bei Chen, Jian-Guang Lou, Weizhu Chen
- [9] **Exploiting High-Order Local and Global User-Item Interactions for Effective Recommendation**
[Knowledge-Based Systems, 2022] Sheng Tian*, Guibing Guo, Yifei Li, Yuan Liu, Xingwei Wang
- [10] **Input-Tuning: Adapting Unfamiliar Inputs to Frozen Pretrained Models**
[arXiv 2022] Shengnan An*, Yifei Li*, Zeqi Lin, Qian Liu, Bei Chen, Qiang Fu, Weizhu Chen, Nanning Zheng, Jian-Guang Lou

SELECTED HONORS AND AWARDS

- Graduate Scholarship, Peking University 2020 - 2022
- National Scholarship (Top 0.2%), Ministry of Education of the P.R. China 2018, 2017
- Outstanding Undergraduate Student of the Shenyang City (Top 0.4%) 2018
- Pacemaker to Outstanding Student (Top 1%), Northeastern University (China) 2018, 2017
- First-prize Academic Scholarship (Top 10%), Northeastern University 2018, 2017

TEACHING EXPERIENCE

- CSE 2331: Foundations II: Data Structures and Algorithms, The Ohio State University *Aug. 2023 - Dec. 2023*
- Introduction to Python and Data Science, Peking University *Feb. 2023 - Jun. 2023*

SERVICES

- Conference reviewer: NeurIPS 2026&2025&2024, ARR 2026&2025&2024, COLM 2026, ICLR 2024

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