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.

RESEARCH EXPERIENCE

- **Research Assistant**, The Ohio State University   *Sep. 2023 - Present*
  Advised by Prof. Huan Sun

- **Research Assistant**, Peking University   *Sep. 2020 - Jul. 2023*
  Advised by Prof. Junfeng Hu

- **Research Intern**, Microsoft Research Asia   *Jul. 2021 - Jul. 2022*
  Advised by Dr. Zeqi Lin, Data and Knowledge Intelligence Group

PUBLICATIONS

[9] **AutoSDT: Scaling Data-Driven Discovery Tasks Toward Open Co-Scientists**
[ArXiv 2025] <u>Yifei Li</u>*, 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

[8] **Mind2Web 2 Evaluating Agentic Search with Agent-as-a-Judge**
[ArXiv 2025] Boyu Gou*, Zanming Huang*, Yuting Ning*, Yu Gu, Michael Lin, Weijian Qi, Andrei Kopanev, Botao Yu, Bernal Jiménez Gutiérrez, Yiheng Shu, Chan Hee Song, Jiaman Wu, Shijie Chen, Hanane Nour Moussa, Tianshu Zhang, Jian Xie, <u>Yifei Li</u>, Tianci Xue, Zeyi Liao, Kai Zhang, Boyuan Zheng, Zhaowei Cai, Viktor Rozgic, Morteza Ziyadi, Huan Sun, Yu Su

[7] **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, <u>Yifei Li</u>, 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

[6] **Math-shepherd: Verify and reinforce LLMs step-by-step without human annotations**
[ACL 2024] Peiyi Wang*, Lei Li, Zhihong Shao, Runxin Xu, Damai Dai, <u>Yifei Li</u>, Deli Chen, Yu Wu, Zhifang Sui

[5] **AttributionBench: How Hard is Automatic Attribution Evaluation?**
[ACL 2024 (Findings)] <u>Yifei Li</u>*, Xiang Yue, Zeyi Liao, Huan Sun

[4] **Tablellama: Towards open large generalist models for tables**
[NAACL 2024] Tianshu Zhang*, Xiang Yue, <u>Yifei Li</u>, Huan Sun

[3] **Making language models better reasoners with step-aware verifier**
[ACL 2023] <u>Yifei Li</u>, Zeqi Lin, Shizhuo Zhang, Qiang Fu, Bei Chen, Jian-Guang Lou, Weizhu Chen

[2] **Exploiting high-order local and global useritem interactions for effective recommendation**
[Knowledge-Based Systems, 2022] Sheng Tian, Guibing Guo, <u>Yifei Li</u>, Yuan Liu, Xingwei Wang

[1] **Input-tuning: Adapting unfamiliar inputs to frozen pretrained models**
[ArXiv 2022] Shengnan An*, <u>Yifei Li</u>*, 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 D&B Track 2025, ARR 2025, ARR 2024, ICLR 2024, NeurIPS 2024

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