

# Jin Huang — Curriculum Vitae

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## RESEARCH INTEREST

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Knowledge Foundation Model, Deep Learning for Graphs, Trustworthy Machine Learning, AI4Science.

## EDUCATION

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University of Michigan, Ann Arbor  
*Ph.D. in Information Science*

Ann Arbor, Michigan  
Aug 2024 - Apr 2029 (expected)

○ Advised by Professor Qiaozhu Mei.

University of Michigan, Ann Arbor  
*Bachelor of Science in Computer Science*

Ann Arbor, Michigan  
Aug 2022 - Jun 2024

○ GPA: 3.96/4.0.

Shanghai Jiao Tong University  
*Bachelor of Science in Electronic and Computer Engineering (Dual Degree Program)*

Shanghai  
Sep 2020 - Jun 2024

○ GPA: 3.78/4.0 (top 10%).

## PREPRINTS

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- [1] Li, Sihang\*, **Huang, Jin\***, Jiaxi Zhuang, Yaorui Shi, Xiaochen Cai, Mingjun Xu, Xiang Wang, Linfeng Zhang, Guolin Ke, and Hengxing Cai. "SciLitLLM: How to Adapt LLMs for Scientific Literature Understanding." *arXiv preprint arXiv:2408.15545*, 2024. [[pdf](#)], (\* denotes equal contribution)
- [2] Zhang, Xingjian, Yutong Xie, **Jin Huang**, Jinge Ma, Zhaoying Pan, Qijia Liu, Ziyang Xiong et al. "MASSW: A New Dataset and Benchmark Tasks for AI-Assisted Scientific Workflows." *arXiv preprint arXiv:2406.06357*, 2024. [[pdf](#)]
- [3] Huang, Benhao, Yingzhuo Yu, **Jin Huang**, Xingjian Zhang, and Jiaqi Ma. "DCA-Bench: A Benchmark for Dataset Curation Agents." *arXiv preprint arXiv:2406.07275*, 2024. [[pdf](#)]

## PUBLICATIONS

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- [4] **Huang, Jin**, Xingjian Zhang, Qiaozhu Mei, and Jiaqi Ma. Can LLMs Effectively Leverage Graph Structural Information: When and Why. *arXiv preprint arXiv:2309.16595*, 2023. In *Transactions on Machine Learning Research (TMLR) and GLFrontiers Workshop, NeurIPS 2023* [[pdf](#)]
- [5] Chen, Lu, Siyu Lou, Keyan Zhang, **Jin Huang**, and Quanshi Zhang. HarsanyiNet: Computing Accurate Shapley Values in a Single Forward Propagation. In *Proceedings of the 40th International Conference on Machine Learning*, 4804–4825. PMLR, 2023. (1827/6538, 27.9%) [[pdf](#)]
- [6] Ma, Jiaqi, Xingjian Zhang, Hezheng Fan, **Jin Huang**, Tianyue Li, Ting Wei Li, Yiwen Tu, Chenshu Zhu, and Qiaozhu Mei. Graph Learning Indexer: A Contributor-Friendly and Metadata-Rich Platform for Graph Learning Benchmarks. In *Proceedings of the First Learning on Graphs Conference*, 7:1–7:23. PMLR, 2022. (**Oral, 9/185, 4.6%**) [[pdf](#)]

## PRESENTATIONS

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**37th Conference on Neural Information Processing Systems**

*Poster Presentation for [4].*

Dec 2023

New Orleans, Louisiana

**40th International Conference on Machine Learning**

*Poster Presentation for [5].*

Jul 2023

Honolulu, Hawaii

## ACADEMIC SERVICE

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**Reviewer** for ICLR, 2024; ICML 2024; KDD 2024 AIBS Workshop; KDD 2025.

**Student Volunteer** for ICML, 2023.

## WORK EXPERIENCE

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**DP Technology**

*Research Scientist Intern*

Dec 2021 - Mar 2022

Shanghai

- Work on adapting LLMs for understanding scientific literature [1].

**Intel**

*AI Software Platform Intern*

Dec 2021 - Mar 2022

Shanghai

- Participated in the development of BigDL, a large-scale AI application for distributed big data analytics, scaling from laptops to cloud infrastructures.

## TEACHING EXPERIENCE

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**Shanghai Jiao Tong University**

*Teaching Assistant for VG101: Introduction to Computers and Programming*

May 2022 - Aug 2022

Shanghai

- Hosted weekly lab sessions and office hours. Assisted in grading and designing exam problems.

## ACTIVITIES, HONORS & SKILLS

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**Activities:** First Generation Engineers Program at University of Michigan.

**Honors:** Tau Beta Pi, First-Generation Undergraduate Experiential Learning Funding 2022&2023, First Prize in China National Olympiad in Informatics in Provinces (NOIP 2018).

**Computer Languages:** Python, C++, C, Matlab, Latex, HTML, Bash, Verilog, R, JavaScript.

**Tools:** Prompting Engineering, Git, Linux, PyTorch, TensorFlow, Scikit-Learn, Jupyter Notebook, Docker.

## SELECTED COURSES

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- **Graduate Level:** Information Theory, Machine Learning, Continuous Optimization Methods, Network Theory, Nonlinear Programming, Natural Language Processing, Numerical Linear Algebra.
- **Undergraduate Level:** Intro to Operating System, Computer Networks, Intro to Autonomous Robotics, Foundations of Computer Science, Computer Vision, Data Structures and Algorithms, Intro to Computer Organization, Human-Centered Software Design, Linear Algebra, Probabilistic Methods in Engineering.