

Meng Jiang, Ph.D.

326C Cushing Hall, Notre Dame, IN 46556

<http://www.meng-jiang.com>

mjiang2@nd.edu

+1 (574) 631-7454

Work and Education Experience

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|---|-------------------|
| Associate Professor with Tenure | 2023 – |
| Assistant Professor | 2017 – 2023 |
| <i>Computer Science and Engineering, University of Notre Dame</i> | |
| Postdoctoral Research Associate | 2015 – 2017 |
| <i>Computer Science, University of Illinois at Urbana-Champaign</i> | |
| Research Assistant | Ph.D. 2010 – 2015 |
| <i>Computer Science, Tsinghua University</i> | B.E. 2006 – 2010 |

Google Scholar: <https://scholar.google.com/citations?user=LZIPfCkAAAAJ>

Citations: 8831; h-index: 49; i10-index: 118

(1/22/2025)

Selected Grants and Awards

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|---------------------------------------|---------------------|-------------------------|
| NSF CAREER: “NLP for mental health” | \$549,969 (sole PI) | 03/15/2022 – 02/28/2027 |
| NSF III: “Knowledge and Reasoning” | \$599,962 (sole PI) | 06/01/2023 – 05/31/2026 |
| NSF III: “Graph data augmentation” | \$515,999 (sole PI) | 03/01/2022 – 02/28/2025 |
| NSF CRII: “Complementarity learning” | \$174,910 (sole PI) | 10/01/2019 – 09/30/2021 |
| ONR: “Network intrusion detection” | \$459,251 (sole PI) | 06/01/2022 – 05/31/2025 |
| NSF RI: “Retrieval augmented NLG” | \$515,982 (co-PI) | 07/01/2022 – 06/30/2025 |
| NSF RETTL: “AI for Education” | \$849,994 (co-PI) | 09/15/2021 – 08/31/2024 |
| Outstanding Paper Award at EMNLP | | 2023 |
| Distinguished Paper Award at ACM ICSE | | 2021 |
| Best Paper Award at ACM KDD-DLG | | 2020 |
| Best Paper Finalist at ACM SIGKDD | | 2014 |

Recent Peer-reviewed Conference Papers (from 109 papers)

- [1] Liu, ..., Jiang. “Protecting Privacy in Multimodal Large Language Models with MLLMU-Bench,” in *NAACL* 2025.
- [2] Zhang, ..., Jiang. “IHEval: Evaluating Language Models on Following the Instruction Hierarchy,” in *NAACL* 2025.
- [3] Liu, ..., Jiang. “Multimodal Large Language Models for Inverse Molecular Design with Retrosynthetic Planning,” in *ICLR* 2025.
- [4] Liu, ..., Jiang. “Learning Molecular Representation in a Cell,” in *ICLR* 2025.

Recent Conference Tutorials (from 15 tutorials)

- [5] Zhang, Lou, Jiao, Yin, Jiang. “Advancing Language Models through Instruction Tuning: Recent Progress and Challenges,” in *EMNLP* 2025.
- [6] Zhu, Xu, Ren, Lin, Jiang, Yu. “Knowledge-Augmented Methods for Natural Language Processing,” in *WSDM* 2023.

Recent Peer-reviewed Journal Papers (from 43 papers)

- [7] Xu, ..., Jiang. “Transcend the Boundaries: Machine Learning for Designing Polymeric Membrane Materials for Gas Separation,” in *Chemical Physics Reviews* 2024.
- [8] Xu, ..., Jiang. “Superior Polymeric Gas Separation Membrane Designed by Explainable Graph Machine Learning,” in *Cell Reports Physical Science* 2024.

Organized 9 Workshops in International Conferences (KDD/ACL/EMNLP)

Courses Taught

CSE 40647/60647 Data Science: ~15 juniors, ~50 seniors, and ~15 graduates

- *Fall 2017, Spring 2018, Fall 2018, Fall 2019, Fall 2020, Fall 2021, Fall 2022, Spring 2025*

CSE 60326 Computational Behavior Modeling: ~20 graduates

- *Spring 2020, Spring 2021, Spring 2022, Spring 2023*

CSE 60556 Large Language Models: ~30 graduates

- *Fall 2024*

Organizing Committee

Tutorial Chair, ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (**KDD**) 2025

Web Chair, ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (**KDD**) 2023 and 2024

Doctoral Consortium Chair, ACM Conference on Web Search and Data Mining (**WSDM**) 2022

Publication Chair, ACM International Conference on Knowledge Management (**CIKM**) 2021

Co-Chair, the 4th Workshop on Knowledge Augmented Methods for NLP (**KnowledgeNLP**) at NAACL 2025; the 3rd KnowledgeNLP at ACL 2024; the 2nd KnowledgeNLP at KDD 2023; the 1st KnowledgeNLP at AAI 2023

Co-Chair, Workshop on Data Mining in IT Operations (**BigData-IT**) at IEEE BigData 2022

Co-Chair, Workshop on Misinformation and Misbehavior Mining on the Web (**MIS2**) at ACM SIGKDD 2022, SIGKDD 2021, and WSDM 2018

Program Committee

- AAI Conference on Artificial Intelligence (AAI):
(PC: 2017--2021, SPC: 2022—2024)
- ACM SIGKDD Int'l Conf. on Knowledge Discovery and Data Mining (KDD)
(PC: 2018--2021, SPC: 2022--2025)
- ACM International Conference on Knowledge Management (CIKM):
(PC: 2017--2019, SPC: 2020--2025)

Professional Membership

- IEEE (92705271): Member (2015-2022), Senior Member (2023-)
- ACM (5577262): Member (2018-2022), Senior Member (2023-)
- ACL (mjiang89): Member (2023-2027)