

Meng Jiang, Ph.D.

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Work and Education Experience

Assistant Professor

2017 –

Computer Science and Engineering, University of Notre Dame

Postdoctoral Research Associate

2015 – 2017

Computer Science, University of Illinois at Urbana-Champaign

Research Assistant

Ph.D.

2010 – 2015

Computer Science, Tsinghua University

B.E.

2006 – 2010

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

Citations: 5239; h-index: 37; i10-index: 78

(06/20/2023)

Awards, Gift, and Grants

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 SHF: “Semantic mining and learning”	\$1,035,030 (co-PI)	08/15/2019 – 08/14/2023
NSF RETTL: “AI for Education”	\$849,994 (co-PI)	09/15/2021 – 08/31/2024
Amazon Award: “Graph learning”	\$20,000 (sole PI)	2021
Distinguished Paper Award at ACM ICSE		2021
Best Paper Award at ACM KDD-DLG		2020
Best Paper Finalist at ACM SIGKDD		2014

Selected Recent Peer-reviewed Conference Papers (78 papers, inc. 15 KDD and 6 AACL)

- [1] Jiang. “Cross-network learning with partially aligned GCNs,” in *KDD* 2021.
- [2] Zeng, Lin, Yu, Cleland-Huang, Jiang. “Enhancing Taxonomy Completion with Concept Generation via Fusing Relational Representations,” in *KDD* 2021.
- [3] Wang, Jiang, Syed, Conway, Juneja, Subramanian, Chawla. “Calendar graph neural networks for modeling time structures in spatiotemporal user behaviors,” in *KDD* 2020.
- [4] Jiang, Zhao, Qin, Liu, Chawla, Jiang. “The Role of Condition: A Novel Scientific Knowledge Graph Representation and Construction Model,” in *KDD* 2019.
- [5] Wang, Jiang, Chawla, Jiang. “TUBE: Embedding Behavior Outcomes for Predicting Success,” in *KDD* 2019.

Selected Recent Conference Tutorials (14 tutorials in KDD/ACL/EMNLP)

- [6] Yu, Jiang, Hu, Wang, Ji, Rajani. “Knowledge-enriched natural language generation,” to appear in *EMNLP* 2021.
- [7] Jiang, Shang. “Scientific text mining and knowledge graphs,” in *KDD* 2020.

Selected Recent Peer-reviewed Journal Papers (34 papers, inc. 8 IEEE TKDE)

- [8] Zhao, Jiang, Shah, Jiang. “A synergistic approach for graph anomaly detection with pattern mining and feature learning,” in *IEEE TNNLS*, 2021. (IF=8.793)
- [9] Wang, Zhang, Ma, Zhao, Jiang, Chawla, Jiang. “Modeling co-evolution of attributed and structural information in graph sequence,” in *IEEE TKDE*, 2021. (IF=4.935)

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*

CSE 60326 Computational Behavior Modeling: ~20 graduates

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

Organizing Committee

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

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 2nd Workshop on Knowledge Augmented Methods for NLP (**KnowledgeNLP**) at KDD 2023; the 1st Workshop on Knowledge Augmented Methods for NLP at AAAI 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

- AAAI Conference on Artificial Intelligence (AAAI):
(PC: 2017--2021, SPC: 2022--2023)
- ACM SIGKDD Int'l Conf. on Knowledge Discovery and Data Mining (KDD):
(PC: 2018--2021, SPC: 2022)
- ACM International Conference on Knowledge Management (CIKM):
(PC: 2017--2019, SPC: 2020--2022)
- International Joint Conference on Artificial Intelligence (IJCAI):
(SPC: 2021)
- The Web Conference (WWW):
(PC: 2018--2022)
- International Conference on Web Search and Data Mining (WSDM):
(PC: 2019--2022)
- Asia-Pacific Chapter of the Association for Computational Linguistics (ACL):
(SAC: 2022)
- Annual Meeting of the Association for Computational Linguistics (ACL):
(Reviewer: 2020--2022)
- Conference on Empirical Methods in Natural Language Processing (EMNLP):
(Reviewer: 2018--2020; AC: 2021)
- Conference on Neural Information Processing Systems (NeurIPS):
(Reviewer: 2020--2022)
- International Conference on Learning Representations (ICLR):
(Reviewer: 2021)
- SIAM Conference on Data Mining (SDM):
(PC: 2018--2021)

Professional Membership

- IEEE (92705271): Member (2015-2022), Senior Member (2023-)
- ACM (5577262): Member (2018-2022), Senior Member (2023-)
- CCF (92716M): Member (2018-)