

## 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

Assistant Professor		2017 –
<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: 4240; h-index: 33; i10-index: 68 (10/26/2022)

### Awards, Gift, and Grants

NSF CAREER: “Intelligent assistance”	\$549,969 (sole PI)	03/15/2022 – 02/28/2027
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: “Learning to Retrieve”	\$499,982 (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: “Explanatory captions”	\$849,994 (co-PI)	09/15/2021 – 08/31/2024
Amazon gift: “Graph learning”	\$20,000 (sole PI)	2021
Snap Research gift: “Graph learning”	\$10,000 (sole PI)	2020
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 (73 papers, inc. 14 KDD and 6 AAAI)

- [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 (12 tutorials in KDD/WWW/ICDM/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 (33 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: ~15 graduates

- *Spring 2020, Spring 2021, Spring 2022*

## Organizing Committee

*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*, Workshop on Knowledge Augmented Methods for NLP (**KnowledgeNLP-AAAI**) 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 (AACL):  
(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)