

Meng Jiang, Ph.D.

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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: 4601; h-index: 34; i10-index: 70 (01/26/2023)

Awards, Gift, and Grants

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|---|---------------------|-------------------------|
| 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 (76 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 (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 (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: ~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, 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 (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)