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: 4091; h-index: 31; i10-index: 65   (09/26/2022)

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 (**71** 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)