

Meng Jiang 蒋朦, Ph.D.

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Work and Education Experience

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: 5881; h-index: 41; i10-index: 82 (11/07/2023)

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
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 (82 papers, inc. 16 KDD)

- [1] Liu, Zhao, Inae, Jiang. “Semi-supervised Graph Imbalanced Regression,” in *KDD* 2023.
- [2] Ziems, Yu, Zhang, Jiang. “Large Language Models are Built-in Autoregressive Search Engines,” in *ACL* 2023.
- [3] Yu, Iter, Wang, Xu, Ju, Sanyal, Zhu, Zeng, Jiang. “Generate rather than Retrieve: Large Language Models are Strong Context Generators,” in *ICLR* 2023.
- [4] Zhang, Yu, Zhu, Jiang. “A Unified Encoder-Decoder Framework with Entity Memory,” in *EMNLP* 2022.

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

- [5] Zhu, Xu, Ren, Lin, Jiang, Yu. “Knowledge-Augmented Methods for Natural Language Processing,” in *WSDM* 2023.
- [6] Zhu, Xu, Ren, Lin, Jiang, Yu. “Knowledge-Augmented Methods for Natural Language Processing,” in *ACL* 2022.

Selected Recent Peer-reviewed Journal Papers (37 papers)

- [7] Zhang, Yu, Ning, Ju, Jiang. “Exploring Contrast Consistency of Open-Domain Question Answering Systems on Minimally Edited Questions,” in *TACL* 2023.
- [8] Wang, Zhao, Yu, Chawla, Jiang. “Deep Multimodal Complementarity Learning,” in *IEEE TNNLS* 2023.

Organized 8 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*

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 (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)

Professional Membership

- IEEE (92705271): Member (2015-2022), Senior Member (2023-)
- ACM (5577262): Member (2018-2022), Senior Member (2023-)
- CCF (92716M): Member (2018-)
- ACL (mjiaang89): Member (2023-2027)