Bohan Jiang

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Homepage: jiangbohan.github.io | Publications: Google Scholar | in LinkedIn Profile

EDUCATION

• **Arizona State University**   *01/2021 - now*
Ph.D. in Computer Science   Tempe, USA

  ◦ Advisor: Regents Prof. *Huan Liu*

  ◦ Citation Statistics: 1,569 (citations), 13 (h-index), 15 (i10-index), from Google Scholar by 02/2026.

• **Arizona State University**   *05/2015 - 12/2020*
B.S. and M.S. in Computer Science (4+1 program)   Tempe, USA

  ◦ GPA: 4.00/4.00

RESEARCH INTERESTS

• **Data Mining:** Developing advanced algorithms to collect, analyze, and model big data, aiming to provide practical insights to real-world applications and decision making.

• **Computational Social Science:** Leveraging computational methods and statistical models to interpret social phenomena and address social problems.

• **AI for Good:** Advancing applied ML, AI, and Human-AI collaboration to solve real-world problems and promote well-being; AI for science, AI evaluation, Large Language Model application.

PUBLICATIONS   * INDICATES EQUAL CONTRIBUTIONS

[1] Pingchuan Ma, Chengshuai Zhao, **Bohan Jiang**, Saketh Vishnubhatla, Ujun Jeong, Alimohammad Beigi, Adrienne Raglin, Huan Liu, *CAMO: Causality-Guided Adversarial Multimodal Domain Generalization for Crisis Classification*, The 30th Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD 2026)

[2] Dawei Li, Renliang Sun, Yue Huang, Ming Zhong, **Bohan Jiang**, Jiawei Han, Xiangliang Zhang, Wei Wang, Huan Liu, *Preference Leakage: A Contamination Problem in LLM-as-a-judge*, The 14th International Conference on Learning Representations (ICLR 2026), and DIG-BUG@ICML 2025 (🏆 **Best Paper Award**).

[3] **Bohan Jiang**, Pingchuan Ma, Zhuoyu Shi, Fred Morstatter, Adrienne Raglin, Huan Liu, *On Causal and Anticausal LLM-Based Data Synthesis*, The 19th International Conference on Web Search and Data Mining (WSDM 2026).

[4] **Bohan Jiang**, Dawei Li, Zhen Tan, Xinyi Zhou, Ashwin Rao, Kristina Lerman, Russell Bernard, Huan Liu, *Can Large Language Models Assess the Social Impact of Conspiracy Theories?*, International AAAI Conference on Web and Social Media (ICWSM 2026).

[5] Dawei Li, **Bohan Jiang**, Liangjie Huang, Alimohammad Beigi, Chengshuai Zhao, Zhen Tan, Amrita Bhattacharjee, Yuxuan Jiang, Canyu Chen, Tianhao Wu, Kai Shu, Lu Cheng, Huan Liu, *From Generation to Judgment: Opportunities and Challenges of LLM-as-a-judge*, The 2025 Conference on Empirical Methods in Natural Language Processing, Main track (EMNLP 2025).

[6] Chengshuai Zhao, Zhen Tan, Pingchuan Ma, Dawei Li, **Bohan Jiang**, Yancheng Wang, Yingzhen Yang, Huan Liu, *Is Chain-of-Thought Reasoning of LLMs a Mirage? A Data Distribution Lens*, FoRLM@NeurIPS 2025.

[7] Dawei Li, Zhen Tan, Chengshuai Zhao, **Bohan Jiang**, Baixiang Huang, Pingchuan Ma, Abdullah Alnaibari, Kai Shu, Huan Liu, *Who's Your Judge? On the Detectability of LLM-Generated Judgments*, Lock-LLM@NeurIPS 2025.

[8] Alimohammad Beigi, **Bohan Jiang**, Dawei Li, Tharindu Kumarage, Zhen Tan, Pouya Shaeri, Huan Liu, *Can LLMs Improve Multimodal Fact-Checking by Asking Relevant Questions?*, IEEE International Conference on Big Data (IEEE BigData 2025).

[9] Saketh Vishnubhatla, Alimohammad Beigi, Rui Heng Foo, Umang Goel, Ujun Jeong, **Bohan Jiang**, Adrienne Raglin, Huan Liu, *An Interventional Approach to Real-Time Disaster Assessment via Causal Attribution*, ACM International Conference on Information and Knowledge Management (CIKM 2025).

[10] Saketh Vishnubhatla, Ujun Jeong, **Bohan Jiang**, Paras Sheth, Zhen Tan, Adrienne Raglin, Huan Liu, *Assessing On-the-Ground Disaster Impact Using Online Data Sources*, International Conference on Social Computing, Behavioral-Cultural Modeling and Prediction and Behavior Representation in Modeling and Simulation (SBP-BRiMS 2025).

[11] Buddhika Nettasinghe, Ashwin Rao, **Bohan Jiang**, Allon Percus, Kristina Lerman, *In-Group Love, Out-Group Hate: A Framework to Measure Affective Polarization via Contentious Online Discussions*, The ACM Web Conference 2025, Research Track (WWW 2025).

[12] Zhen Tan*, Dawei Li*, Song Wang*, Alimohammad Beigi, **Bohan Jiang**, Amrita Bhattacharjee, Mansooreh Karami, Jundong Li, Lu Cheng, Huan Liu, *Large Language Models for Data Annotation and Synthesis: A Survey*, The 2024 Conference on Empirical Methods in Natural Language Processing, main track (EMNLP 2024).

[13] Ujun Jeong, **Bohan Jiang**, Zhen Tan, Russell Bernard, Huan Liu, *BlueTempNet: A Temporal Multi-network Dataset of Social Interactions in Bluesky Social*, IEEE Data Descriptions, 2024.

[14] **Bohan Jiang***, Chengshuai Zhao*, Zhen Tan, Huan Liu, *Catching Chameleons: Detecting Evolving Disinformation Generated using Large Language Models*, IEEE International Conference on Cognitive Machine Intelligence (IEEE CogMI 2024). 🏆 **Best Student Paper Award.**

[15] **Bohan Jiang**, Lu Cheng, Zhen Tan, Ruocheng Guo, Huan Liu, *Media Bias Matters: Understanding the Impact of Politically Biased News on Vaccine Attitudes in Social Media*, IEEE International Conference on Data Science and Advanced Analytics (IEEE DSAA 2024).

[16] **Bohan Jiang**, Zhen Tan, Ayushi Nirmal, Huan Liu, *Disinformation Detection: An Evolving Challenge in the Age of LLMs*, SIAM International Conference on Data Mining (SDM 2024).

[17] Ayushi Nirmal, **Bohan Jiang**, Huan Liu, *SocioHub: An Interactive Tool for Cross-Platform Social Media Data Collection*, International Conference on Social Computing, Behavioral-Cultural Modeling and Prediction and Behavior Representation in Modeling and Simulation (SBP-BRiMS 2024).

[18] Datu Buyung Agusdinata, Hallie Eakin, Nicole Darnall, **Bohan Jiang**, Hugo Romero, *Advancing Recognition Justice in Telecoupled Critical Mineral Supply Chains: The Promise of Social Media*, Energy Research & Social Science, 2023.

[19] **Bohan Jiang**, Paras Sheth, Baoxin Li, Huan Liu, *CoVaxNet: An Online-Offline Data Repository for COVID-19 Vaccine Research*, International AAAI Conference on Web and Social Media Workshop (ICWSM 2023).

[20] **Bohan Jiang**, Mansooreh Karami, Lu Cheng, Tyler Black, Huan Liu, *Mechanisms and Attributes of Echo Chambers in Social Media*, International Conference on Social Computing, Behavioral-Cultural Modeling and Prediction and Behavior Representation in Modeling and Simulation (SBP-BRiMS 2021).

[21] Nao Yamamoto, **Bohan Jiang**, Haiyan Wang, *Quantifying Compliance with COVID-19 Mitigation Policies in the US: A Mathematical Modeling Study*, Infectious Disease Modelling, 2021.

[22] Yichuan Li, **Bohan Jiang**, Kai Shu, Huan Liu, *MM-COVID: A Multilingual and Multimodal Data Repository for Combating COVID-19 Disinformation*, IEEE International Conference on Big Data (IEEE BigData 2020).

PREPRINT AND UNDER SUBMISSION   * INDICATES EQUAL CONTRIBUTIONS

[1] **Bohan Jiang**, Pingchuan Ma, Zhen Tan, Zhuoyu Shi, Fred Morstatter, Adrienne Raglin, Huan Liu, *On the Role of Anticausal Direction in LLM-based Data Synthesis*, Under Submission.

[2] **Bohan Jiang**, Dawei Li, Zhen Tan, Chengshuai Zhao, Huan Liu, *Evaluating and Aligning LLM-generated Explanations of Scientific Concepts*, Under Submission.

[3] Zhuoyu Shi, Xintong Jiang, **Bohan Jiang**, Fred Morstatter, *The Emergence of Causal Curiosity from Existing Causal Belief Networks*, Under Submission.

[4] Zhuoxuan Zhang, Zhen Tan, Dawei Li, **Bohan Jiang**, Song Wang, Huan Liu, Tianlong Chen, *Faithful Chains: Enforcing Temporal Consistency in Chain-of-Thought Reasoning via Bellman Regularization*, Under Submission.

[5] Chengshuai Zhao, Zhen Tan, Pingchuan Ma, Dawei Li, **Bohan Jiang**, Yancheng Wang, Yingzhen Yang, Huan Liu, *Is Chain-of-Thought Reasoning of LLMs a Mirage? A Data Distribution Lens*, Under Submission.

[6] Song Wang, Zhen Tan, Zihan Chen, Dawei Li, Yaochen Zhu, **Bohan Jiang**, Yinhan He, Chengshuai Zhao, Zhenyu Lei, Paras Sheth, Lichi Li, Lo Pang-Yun Ting, Jundong Li, Huan Liu, *Large Language Models for Data Science: A Survey*, Under Submission.

[7] Dawei Li, Zhen Tan, Chengshuai Zhao, **Bohan Jiang**, Baixiang Huang, Pingchuan Ma, Abdullah Alnaibari, Kai Shu, Huan Liu, *Who's Your Judge? On the Detectability of LLM-Generated Judgments*, Under Submission.

[8] Faisal Alatawi, Lu Cheng, Anique Tahir, Mansooreh Karami, **Bohan Jiang**, Tyler Black, Huan Liu, *A Survey on Echo Chambers on Social Media: Description, Detection and Mitigation*, Preprint.

[9] Sanyam Jain*, **Bohan Jiang***, Adrienne Raglin, Huan Liu, *WMND-QA: A Wiki-based Multilingual Benchmark for Natural Disaster Question Answering*, Under Submission.

[10] Ujun Jeong, Saketh Vishnubhatla, **Bohan Jiang**, Adrienne Raglin, Huan Liu, *Large Language Models for Causal Relations Extraction in Social Media - Insights from Billion Dollar Disaster Events*, Under Submission.

HONORS AND AWARDS

- **NSF Travel Award** — 2026
  The 19th International Conference on Web Search and Data Mining (WSDM 2026)
- **Best Paper Award** — 2025
  ICML 2025 Workshop DIG-BUGS: Data in Generative Models
- **Best Student Paper Award** — 2024
  The Sixth IEEE International Conference on Cognitive Machine Intelligence (CogMI 2024)
- **IEEE CIS Travel Grant** — 2024
  IEEE Computational Intelligence Society
- **SDM Doctoral Forum Travel Award** — 2024
  SIAM International Conference on Data Mining (SDM 2024)
- **GPSA Conference Travel Grant** — 2024
  Graduate & Professional Student Association, ASU
- **SCAI Conference Travel Award** — 2021 - 2026
  School of Computing and Augmented Intelligence, ASU
- **SBP-BRiMS Travel Award** — 2022
  Carnegie Mellon University
- **1st place (1/54) of 2022 ASU ISSR Graduate Student Poster Contest** — 2022
  Institute for Social Science Research, ASU
- **Fulton Fellowship Award** — 2021
  Ira A. Fulton Schools of Engineering, ASU
- **GPSA Publication Grant** — 2021
  Graduate & Professional Student Association, ASU
- **Dean's list** — 2015 - 2019
  Ira A. Fulton Schools of Engineering, ASU
- **New American University Scholar** — 2015 - 2019
  Arizona State University

EXPERIENCE

- **Graduate Research Assistant** — 05/2021 - now
  School of Computing and Augmented Intelligence, ASU
- **Graduate Service Assistant** — 05/2024 - 08/2024
  Center on Narrative, Disinformation and Strategic Influence, ASU
- **Visiting Research Assistant (Research Internship)** — 05/2023 - 08/2023
  Information Science Institutes, University of Southern California (USC); advisor: Dr. Kristina Lerman
- **Teaching Assistant (ASU)** — 01/2021 - 12/2025
  CSE 310: Data Structure and Algorithm; CSE: 472 Social Media Mining; CSE 509: Digital Video Processing
- **Graduate Assistants Associates** — 06/2020 - 12/2020
  Julie Ann Wrigley Global Institute of Sustainability, ASU

TALKS AND PRESENTATIONS

- **Combating Harmful Content in the Age of LLMs** — 01/2026
  Invited Talk at ACM at ASU
- **Catching Chameleons: Detecting Evolving Disinformation Generated using Large Language Models** — 11/2025
  Invited Lecturer at ASU'S CSE 472: Social Media Mining
- **Disinformation Detection: An Evolving Challenge in the Age of LLMs** — 04/2024
  Presentation at SDM Doctoral Forum
- **The Emerging Threat of AI-Generated Content and Media Bias** — 12/2023
  Invited Talk at Nanjing University of Posts and Telecommunications
- **Linking Online Activity to Offline Behavior** — 01/2023
  Invited Panelist at IDeaS, Carnegie Mellon University

MENTORING EXPERIENCE

- **Ayushi Nirmal** — 05/2023 - 05/2024
  MS thesis: Interpretable Hate Speech Detection via Large Language Model-extracted Rationales
- **Snigdha Reddy Mudireddy** — 08/2022 - 12/2022
  MCS, project assistant
- **Sanyam Jain** — 01/2025 - 12/2025
  Undergraduate Research Experience
- **Nivedh Mudiam** — 01/2025 - 12/2025
  Undergraduate Research Experience
- **Umang Goel** — 08/2024 - 12/2024
  Undergraduate Research Experience
- **Ishna Barwey** — 08/2022 - 12/2022
  Honors Credit, CSE 472: Social Media Mining
- **Jessica Hays** — 08/2022 - 12/2022
  Honors Credit, CSE 472: Social Media Mining

PROFESSIONAL SERVICES

- **Membership:** AAAS, AAAI, ACM, IEEE, SIAM
- **Program Committee Member & Reviewer:** WWW'25-26, ICDM'24-25, SDM'24-25, CIKM'24-25, Coling'23-26, KDD'23-26, ICWSM'23-26, AAAI'23-26, ARR (ACL, NAACL, EMNLP) 25-26, BigData'22-26, Big Data Research'22, SBP-BRiMS'21-23, SNAM'20-21, MM'22, CIKM'21, CySoc'21, ASNOAM'21, AI4AN'21, ECML'20, TKDE'19, IEEE Access, JMIR, Field Methods; etc
- **Session Chair & Volunteer:** SDM'24, DSAA'24, CogMI'24, KDD'23, WSDM'22, SBP-BRiMS'21-22, HPDC'18; etc