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: 1,961 (citations), from Google Scholar by 12/2025.

• **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

• **Social Media Mining:** Developing advanced algorithms to collect, model, and analyze big social media data, aiming to provide practical guidance to real-world applications and decision making.

• **Computational Social Science:** Leveraging computational methods and artificial intelligence techniques to understand social phenomena and address social problems.

• **Natural Language Processing:** Focusing on employing large language models (LLMs) to solve real-world problems; LLM for social science, LLM-as-a-Judge, Human-AI interaction.

PUBLICATIONS   * INDICATES EQUAL CONTRIBUTIONS

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

[2] **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).

[3] 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 (EMNLP 2025).

[4] 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.

[5] 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.

[6] 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).

[7] 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).

[8] 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).

[9] 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*, DIG-BUG@ICML 2025, 🏆 **Best Paper Award.**

[10] 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).

[11] 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 (EMNLP 2024).

[12] 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.

[13] **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.**

[14] **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).

[15] **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).

[16] 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).

[17] 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.

[18] **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).

[19] **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).

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

[21] 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] 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.

[2] 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.

[3] 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*, Under Submission.

[4] 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.

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

[6] 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.

[7] 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*, Under Submission.

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

HONORS AND AWARDS

- **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 - 2024*
  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)
- **Teaching Assistant** *01/2021 - 12/2022*
  School of Computing and Augmented Intelligence, ASU
- **Graduate Assistants Associates** *06/2020 - 12/2020*
  Julie Ann Wrigley Global Institute of Sustainability, ASU

TALKS AND PRESENTATIONS

- **Catching Chameleons: Detecting Evolving Disinformation Generated using Large Language Models** *11/2025*
  Invited Lecturer at ASU
- **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

PROFESSIONAL SERVICES

- **Invited 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, BigData'22-26, Big Data Research'22, SBP-BRiMS'21-23, SNAM'20-21, IEEE Access, JMIR; etc

- **Invited External Reviewer:** ACM MM'22, CIKM'21, CySoc'21, ASNOAM'21, AI4AN'21, ECML'20, TKDE'19; etc

- **Session Chair & Volunteer:** SDM'24, DSAA'24, CogMI'24, KDD'23, WSDM'22, SBP-BRiMS'21-22, HPDC'18; etc