Ming Yin

CONTACT INFORMATION	Lawson Computer Science Building 2142B 305 N. University Street West Lafayette, IN 47907, USA	*Phone:* (+1)765-496-9381 *Email:* mingyin@purdue.edu http://www.mingyin.org

RESEARCH INTERESTS

Human-AI interaction and collaboration, human computation and crowdsourcing, computational social science, applied artificial intelligence and machine learning, behavior economics.

EDUCATION

Harvard University, Cambridge, MA, USA　　　　　　　　　　　Sep 2011 – Jun 2017
Ph.D. in Computer Science
Thesis Title: Peeking into the On-Demand Economy: Crowd Behavior and Incentive Design
(Nominated for ACM Doctoral Dissertation Award)

City University of Hong Kong, Hong Kong, China　　　　　　　Aug 2009 – Dec 2009
Undergraduate Exchange Student in Computer Science

Tsinghua University, Beijing, China　　　　　　　　　　　　　Aug 2007 – Jul 2011
Bachelor of Engineering in Computer Software

APPOINTMENTS

Assistant Professor　　　　　　　　　　　　　　　　　　　　Jul 2018 – present
Purdue University, Department of Computer Science, West Lafayette, IN

Postdoctoral Researcher　　　　　　　　　　　　　　　　　　Aug 2017 – Jun 2018
Microsoft Research, Computational Social Science Group, New York, NY

Research Intern　　　　　　　　　　　　　　　　　　　　　　Aug 2016 – Oct 2016
Microsoft Research, Social Media Collective, Cambridge, MA

Research Intern　　　　　　　　　　　　　　　　　　　　　　Jun 2015 – Aug 2015
Microsoft Research, Computational Social Science Group, New York, NY

Research Intern　　　　　　　　　　　　　　　　　　　　　　Jun 2014 – Aug 2014
PARC, Collective Intelligence and Service Computing Group, Webster, NY

Research Intern　　　　　　　　　　　　　　　　　　　　　　Jun 2013 – Aug 2013
Xerox Research, Social and Web Technology Group, Webster, NY

Research Intern　　　　　　　　　　　　　　　　　　　　　　Mar 2011 – Jul 2011
Baidu Inc., Ads Research Team, Beijing, China

HONORS AND AWARDS

Best Paper Award, CSCW	2022
Best Paper Award, CHI	2022
Best Paper Award, HCOMP	2020
Purdue Vertically Integrated Projects (VIP) Program Faculty Mentor Award	2020
Best Paper Honorable Mention, CHI	2019
Microsoft Research Faculty Fellowship Finalist	2019
ACM Doctoral Dissertation Award Nomination	2018
Siebel Scholar, the Siebel Foundation	Class of 2017
Best Paper Honorable Mention, CHI	2016
NSF Student Travel Award, AAMAS	2015
Certificate of Distinction in Teaching, Harvard University	2013
Graduate Student Fellowship, Harvard University	2011
Beijing Outstanding Graduate, Beijing Municipal Commission of Education	2011
Tsinghua University Outstanding Graduate, Tsinghua University	2011

Tsinghua's Friend – Widjaja Scholarship, Tsinghua University 2009
National Southwest Associated University Scholarship, Tsinghua University 2008

PUBLICATIONS   In most cases, my collaborators and I choose to have students as first authors and then determine the authorship alphabetically.

Refereed Conference and Journal Publications

Zhuoyan Li, Hangxiao Zhu, Zhuoran Lu, Ming Yin. Synthetic Data Generation with Large Language Models for Text Classification: Potential and Limitations. In *Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing (EMNLP)*, Singapore, December 2023.

Zhuoran Lu, Zhuoyan Li, Chun-Wei Chiang, Ming Yin. Strategic Adversarial Attacks in AI-assisted Decision Making to Reduce Human Trust and Reliance. In *Proceedings of the 32nd International Joint Conference on Artificial Intelligence (IJCAI)*, Macao, China, August 2023.

Xinru Wang, Chen Liang, Ming Yin. The Effects of AI Biases and Explanations on Human Decision Fairness: A Case Study of Bidding in Rental Housing Markets. In *Proceedings of the 32nd International Joint Conference on Artificial Intelligence (IJCAI)*, Macao, China, August 2023.

Saumik Narayanan, Guanghui Yu, Chien-Ju Ho, Ming Yin. How Does Value Similarity Affect Human Reliance in AI-Assisted Ethical Decision Making? In *Proceedings of the 6th AAAI/ACM Conference on AI, Ethics, and Society (AIES)*, Montreal, Canada, August 2023.

Maria Leonor Pacheco, Tunazzina Islam, Lyle Ungar, Ming Yin, Dan Goldwasser. Interactive Concept Learning for Uncovering Latent Themes in Large Text Collections. In *Findings of the 61st Annual Meeting of the Association for Computational Linguistics (ACL)*, Toronto, Canada, July 2023.

Chun-Wei Chiang, Zhuoran Lu, Zhuoyan Li, Ming Yin. Are Two Heads Better Than One in AI-Assisted Decision Making? Comparing the Behavior and Performance of Groups and Individuals in Human-AI Collaborative Recidivism Risk Assessment. In *Proceedings of the 41st ACM Conference on Human Factors in Computing Systems (CHI)*, Hamburg, Germany, April 2023.

Xinru Wang, Ming Yin. Watch Out for Updates: Understanding the Effects of Model Explanation Updates in AI-Assisted Decision Making. In *Proceedings of the 41st ACM Conference on Human Factors in Computing Systems (CHI)*, Hamburg, Germany, April 2023.

Shuai Ma, Ying Lei, Xinru Wang, Chengbo Zheng, Chuhan Shi, Ming Yin, Xiaojuan Ma. Who Should I Trust: AI or Myself? Leveraging Human and AI Correctness Likelihood to Promote Appropriate Trust in AI-Assisted Decision-Making. In *Proceedings of the 41st ACM Conference on Human Factors in Computing Systems (CHI)*, Hamburg, Germany, April 2023.

Zhuoyan Li, Zhuoran Lu, Ming Yin. Modeling Human Trust and Reliance in AI-assisted Decision Making: A Markovian Approach. In *Proceedings of the 37th AAAI Conference on Artificial Intelligence (AAAI)*, Washington, DC, February 2023. **(Oral Presentation)**

Xinru Wang, Ming Yin. Effects of Explanations in AI-Assisted Decision Making: Principles and Comparisons. *ACM Transactions on Interactive Intelligent Systems (TiiS)*, 12(4), December 2022.

Zhuoran Lu, Patrick Li, Weilong Wang, Ming Yin. The Effects of AI-based Credibility Indicators on the Detection and Spread of Misinformation under Social Influence. In *Proceedings*

of the ACM on Human-Computer Interaction: Computer-Supported Cooperative Work and Social Computing (CSCW), November 2022. **(Best Paper Award)**

Amy Rechkemmer, Ming Yin. Understanding the Microtask Crowdsourcing Experience for Workers with Disabilities: A Comparative View. In *Proceedings of the ACM on Human-Computer Interaction: Computer-Supported Cooperative Work and Social Computing (CSCW)*, November 2022.

Meric Altug Gemalmaz, Ming Yin. Understanding Decision Subjects' Fairness Perceptions and Retention in Repeated Interactions with AI-Based Decision Systems. In *Proceedings of the 5th AAAI/ACM Conference on AI, Ethics, and Society (AIES)*, Oxford, UK, August 2022.

Zhuoyan Li, Zhuoran Lu, Ming Yin. Towards Better Detection of Biased Language with Scarce, Noisy, and Biased Annotations. In *Proceedings of the 5th AAAI/ACM Conference on AI, Ethics, and Society (AIES)*, Oxford, UK, August 2022.

Saumik Narayanan, Guanghui Yu, Wei Tang, Chien-Ju Ho, Ming Yin. How Does Predictive Information Affect Human Ethical Preferences? In *Proceedings of the 5th AAAI/ACM Conference on AI, Ethics, and Society (AIES)*, Oxford, UK, August 2022.

Maria Leonor Pacheco, Tunazzina Islam, Monal Mahajan, Andrey Shor, Ming Yin, Lyle Ungar, Dan Goldwasser. A Holistic Framework for Analyzing the COVID-19 Vaccine Debate. In *Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)*, Seattle, WA, July 2022.

Amy Rechkemmer, Ming Yin. When Confidence Meets Accuracy: Exploring the Effects of Multiple Performance Indicators on Trust in Machine Learning Models. In *Proceedings of the 40th ACM Conference on Human Factors in Computing Systems (CHI)*, New Orleans, LA, April 30 – May 6, 2022. **(Best Paper Award)**

Xinru Wang, Zhuoran Lu, Ming Yin. Will You Accept the AI Recommendation? Predicting Human Behavior in AI-Assisted Decision Making. In *Proceedings of the ACM Web Conference (WWW)*, Online, April 2022.

Xiaoni Duan, Chien-Ju Ho, Ming Yin. The Influences of Task Design on Crowdsourced Judgement: A Case Study of Recidivism Risk Evaluation. In *Proceedings of the ACM Web Conference (WWW)*, Online, April 2022.

Guoyang Zhou, Vaneet Aggarwal, Ming Yin, Denny Yu. A Computer Vision Approach for Estimating Lifting Load Contributors to Injury Risk. *IEEE Transactions on Human-Machine Systems (THMS)*, 52(2), April 2022.

Chun-Wei Chiang, Ming Yin. Exploring the Effects of Machine Learning Literacy Interventions on Laypeople's Reliance on Machine Learning Models. In *Proceedings of the 27th ACM International Conference on Intelligent User Interfaces (IUI)*, Online, March 2022.

Guoyang Zhou, Vaneet Aggarwal, Ming Yin, Denny Yu. Video-based AI Decision Support System for Lifting Risk Assessment. In *Proceedings of the IEEE International Conference on Systems, Man, and Cybernetics (SMC)*, Online, October 2021.

Abdullah Almaatouq, Mohammed Alsobay, Ming Yin, Duncan J. Watts. Task Complexity Moderates Group Synergy. *Proceedings of the National Academy of Sciences (PNAS)*, 118(36), September 2021.

Meric Altug Gemalmaz, Ming Yin. Accounting for Confirmation Bias in Crowdsourced Label Aggregation. In *Proceedings of the 30th International Joint Conference on Artificial Intelligence*

(IJCAI), Online, August 2021.

Chun-Wei Chiang, Ming Yin. You'd Better Stop! Understanding Human Reliance on Machine Learning Models under Covariate Shift. In *Proceedings of the 13th ACM Web Science Conference (WebSci)*, Online, June 2021.

Zhuoran Lu, Ming Yin. Human Reliance on Machine Learning Models When Performance Feedback is Limited: Heuristics and Risks. In *Proceedings of the 39th ACM Conference on Human Factors in Computing Systems (CHI)*, Online, May 2021.

Xinru Wang, Ming Yin. Are Explanations Helpful? A Comparative Study of the Effects of Explanations in AI-Assisted Decision-Making. In *Proceedings of the 26th ACM International Conference on Intelligent User Interfaces (IUI)*, Online, April 2021.

Amy Rechkemmer, Ming Yin. Motivating Novice Crowd Workers Through Goal Setting: An Investigation into the Effects on Complex Crowdsourcing Task Training. In *Proceedings of the 8th AAAI Conference on Human Computation and Crowdsourcing (HCOMP)*, Hilversum, Netherlands, October 2020. **(Best Paper Award)**

Xiaoni Duan, Chien-Ju Ho, Ming Yin. Does Exposure to Diverse Perspectives Mitigate Biases in Crowdwork? An Explorative Study. In *Proceedings of the 8th AAAI Conference on Human Computation and Crowdsourcing (HCOMP)*, Hilversum, Netherlands, October 2020.

Xiao Hu, Haobo Wang, Anirudh Vegesana, Somesh Dube, Kaiwen Yu, Gore Kao, Shuo-Han Chen, Yung-Hsiang Lu, George Thiruvathukal, Ming Yin. Crowdsourcing Detection of Sampling Biases in Image Datasets. In *Proceedings of the Web Conference (WWW)*, Taipei, April 2020.

Keman Huang, Jinhui Yao, Ming Yin. Understanding the Skill Provision in Gig Economy from a Network Perspective: A Case Study of Fiverr. In *Proceedings of the ACM on Human-Computer Interaction: Computer-Supported Cooperative Work and Social Computing (CSCW)*, Austin, TX, November 2019.

Wei Tang, Chien-Ju Ho, Ming Yin. Leveraging Peer Communication to Enhance Crowdsourcing. In *Proceedings of the Web Conference (WWW)*, San Francisco, CA, May 2019.

Ming Yin, Jennifer Wortman Vaughan, Hanna Wallach. Understanding the Effect of Accuracy on Trust in Machine Learning Models. In *Proceedings of the 37th ACM Conference on Human Factors in Computing Systems (CHI)*, Glasgow, UK, May 2019. **(Best Paper Honorable Mention)**

Ming Yin, Siddharth Suri, Mary Gray. Running Out of Time: The Impact and Value of Flexibility in On-Demand Crowdwork. In *Proceedings of the 36th ACM Conference on Human Factors in Computing Systems (CHI)*, Montreal, Canada, April 2018.

Ming Yin, Yiling Chen. Predicting Crowd Work Quality under Monetary Interventions. In *Proceedings of the 4th AAAI Conference on Human Computation and Crowdsourcing (HCOMP)*, Austin, TX, October 30 – November 3, 2016.

Edith Law, Ming Yin, Joslin Goh, Kevin Chen, Michael Terry, Krzysztof Z. Gajos. Curiosity Killed the Cat, but Makes Crowdwork Better. In *Proceedings of the 34th ACM Conference on Human Factors in Computing Systems (CHI)*, San Jose, CA, May 2016. **(Best Paper Honorable Mention)**

Ming Yin, Mary Gray, Siddharth Suri, Jennifer Wortman Vaughan. The Communication Network Within the Crowd. In *Proceedings of the 25th International World Wide Web Conference*

(WWW), Montreal, Canada, April 2016.

Ming Yin, Yiling Chen. Bonus or Not? Learn to Reward in Crowdsourcing. In *Proceedings of the 24th International Joint Conference on Artificial Intelligence (IJCAI)*, Buenos Aires, Argentina, July 2015.

Ming Yin, Yu-An Sun. Human Behavior Models for Virtual Agents in Repeated Decision Making under Uncertainty. In *Proceedings of the 14th International Conference on Autonomous Agents & Multiagent Systems (AAMAS)*, Istanbul, Turkey, May 2015.

Ming Yin, Yiling Chen, Yu-An Sun. Monetary Interventions in Crowdsourcing Task Switching. In *Proceedings of the 2nd AAAI Conference on Human Computation and Crowdsourcing (HCOMP)*, Pittsburgh, PA, November 2014.

Ming Yin, Yiling Chen, Yu-An Sun. The Effects of Performance-Contingent Financial Incentives in Online Labor Markets. In *Proceedings of the 27th AAAI Conference on Artificial Intelligence (AAAI)*, Bellevue, WA, July 2013.

Yang Sun, Yunhong Zhou, Ming Yin, Xiaotie Deng. On the Convergence and Robustness of Reserve Pricing in Keyword Auctions. In *Proceedings of the 14th International Conference on Electronic Commerce (ICEC)*, Singapore, August 2012.

Ming Yin, Peibei Shi, Wangshu Zhang, Rui Jiang. Optimizing Subnetwork Markers for the Classification of Breast Cancer Metastases: A Simulated Annealing Strategy. In *Proceedings of 2011 International Conference on Medical Information and Bioengineering (ICMIB)*, Chengdu, China, January 2011.

Xiaotie Deng, Yang Sun, Ming Yin, Yunhong Zhou. Mechanism Design for Multi-slot Ads Auction in Sponsored Search Markets. In *Proceedings of the 4th International Frontiers in Algorithmics Workshop (FAW)*, Wuhan, China, August 2010.

Workshop Papers, Posters and Extended Abstracts

Syed Hasan Amin Mahmood, Zhuoran Lu, and Ming Yin. Give Weight to Human Reactions: Optimizing Complementary AI in Practical Human-AI Teams. In *the ICML Workshop on Artificial Intelligence & Human Computer Interaction*, Honolulu, HI, July 2023.

Zhuoran Lu, Dakuo Wang, Ming Yin. Does More Advice Help? The Effects of Second Opinions from Peers in AI-Assisted Decision Making. In *the CHI Workshop on Trust and Reliance in AI-Assisted Tasks (TRAIT)*, Hamburg, Germany, April 2023.

Maria Leonor Pacheco, Tunazzina Islam, Lyle Ungar, Ming Yin, Dan Goldwasser. An Interactive Framework for Identifying Latent Themes in Large Text Collections. In *the 2nd NeurIPS Workshop on Interactive Learning for Natural Language Processing (InterNLP)*, New Orleans, LA, December 2022.

Maria Leonor Pacheco, Tunazzina Islam, Lyle Ungar, Ming Yin, Dan Goldwasser. Interactively Uncovering Latent Arguments in Social Media Platforms: A Case Study on the Covid-19 Vaccine Debate. In *the 4th EMNLP Workshop on Data Science with Human in the Loop (DaSH)*, Abu Dhabi, the United Arab Emirates, December 2022.

Guoyang Zhou, Vaneet Aggarwal, Ming Yin, Denny Yu. Computer Vision Predicts Force During Lifting. In *the 66th Human Factors and Ergonomics Society Annual Meeting*, Atlanta, GA, October 2022.

Chien-Ju Ho, Ming Yin. Designing and Optimizing Cognitive Debiasing Strategies for Crowd-

sourcing Annotation. In *the CSCW Workshop on Investigating and Mitigating Biases in Crowd-sourced Data (BCD)*, Online, October 2021.

Amy Rechkemmer, Ming Yin. Exploring the Effects of Goal Setting When Training for Complex Crowdsourcing Tasks. In *the 30th International Joint Conference on Artificial Intelligence (IJCAI)*, Online, August 2021. (Sister Conferences Track)

Xiao Hu, Haobo Wang, Somesh Dube, Anirudh Vegesana, Kaiwen Yu, Yung-Hsiang Lu, Ming Yin. Discovering Biases in Image Datasets with the Crowd. In *the 7th AAAI Conference on Human Computation and Crowdsourcing (HCOMP)*, Skamania Lodge, WA, October 2019. (Work in progress track)

Ming Yin, Duncan Watts. Human Complex Problem Solving: The Case of Constraint Satisfaction Optimization Problems. In *the 5th International Conference on Computational Social Science (IC2S2)*, Amsterdam, Netherlands, July 2019.

Abdullah Almaatouq, Ming Yin, Duncan Watts. Optimal Team Construction for a Complex Task. In *the 5th International Conference on Computational Social Science (IC2S2)*, Amsterdam, Netherlands, July 2019.

Ming Yin, Emma Heikensten, Yiling Chen. Is Time Our Friend or Enemy? The Impact of Timing on Online Experimentation. In *the 2018 Conference on Digital Experimentation (CODE)*, Cambridge, MA, October 2018.

Ming Yin, Jennifer Wortman Vaughan, Hanna Wallach. Does Stated Accuracy Affect Trust in Machine Learning Algorithms? In *the 3rd ICML Workshop on Human Interpretability in Machine Learning (WHI)*, Stockholm, Sweden, July 2018.

Ming Yin, Siddharth Suri, Mary L. Gray. The Impact and Value of Flexibility in On-Demand Work. In *the 2017 Conference on Digital Experimentation (CODE)*, Cambridge, MA, October 2017.

Edith Law, Ming Yin, Joslin Goh, Kevin Chen, Michael Terry, Krzysztof Z. Gajos. Curiosity Killed the Cat, but Makes Crowdwork Better. In *the 2016 Conference on Digital Experimentation (CODE)*, Cambridge, MA, October 2016.

Mary Gray, Siddharth Suri, Ming Yin, Jennifer Wortman Vaughan, Syed Shoaib Ali, Deepti Kulkarni. The Collaboration and Communication Networks within the Crowd. In *the 2nd International Conference on Computational Social Science (IC2S2)*, Evanston, IL, June 2016.

Ming Yin, Yiling Chen, Yu-An Sun. Task Sequence Design: Evidence on Price and Difficulty. In *the 1st AAAI Conference on Human Computation and Crowdsourcing (HCOMP)*, Palm Springs, CA, November 2013. (Work in progress track)

Other Publications

Ming Yin. Peeking into the On-Demand Economy: Crowd Behavior and Incentive Design. *Ph.D. Dissertation*, School of Engineering and Applied Sciences, Harvard University, June 2017.

PATENTS Method and Apparatus for Recommending a Selection between a Reseller and a Multi-sided Platform, with Yu-An Sun, US Patent Application Number 14/161393.

TEACHING **Instructor**, Purdue University
- CS 573 (Data Mining) Spring 2019, Fall 2019, Fall 2020, Fall 2021, Fall 2023
- CS 471 (Introduction to Artificial Intelligence) Fall 2022
- CS 490 – HCI (Human-Computer Interaction) Spring 2021

- CS 590 – HCC (Human-Centered Computing)   Spring 2020
- CS 590 – CSC (Crowdsourcing and Social Computing)   Fall 2018

Guest Lecturer, Purdue University
- SCI 195 (Global Science Leadership Seminar)   Fall 2023
- CS 197 (Freshman Honors Seminar)   Spring 2022
- CS 591 – RS1 (Research Seminar for First Year Graduate Students)   Fall 2018

Guest Lecturer, Harvard University
- CS 280r (Advanced Topics in Artificial Intelligence)   Spring 2015, Spring 2017

Teaching Fellow, Harvard University
- CS 182 (Intelligent Machines: Reasoning, Actions and Plans)   Fall 2013, Fall 2014
- AM 121 (Introduction to Optimization: Models and Methods)   Spring 2013

SELECTED INVITED TALKS

Towards a Science of Human-AI Decision Making: Empirical Understandings, Computational Models, and Intervention Designs.
Human-Computer Interaction Lab, University of Maryland, College Park.   Oct 2023
Human-AI Group, University of California, Irvine.   May 2023
Mind & Machine Intelligence Summit, University of California, Santa Barbara.   Apr 2023

Human-Centered Evaluation of Explanations in AI-Assisted Decision-Making.
The IJCAI Workshop on Explainable Artificial Intelligence, Keynote, Macau, China. Aug 2023

Mitigating Biases in Crowdsourcing Data Collection.
The 6th IEEE Workshop on Human-in-the-Loop Methods and Future of Work in Big Data, Keynote, Osaka, Japan (Online).   Dec 2022
The 3rd Symposium on Biases in Human Computation and Crowdsourcing, Keynote, Delft, Netherlands (Online).   Nov 2021

Are Explanations Helpful? A Comparative Study of the Effects of Explanations in AI-Assisted Decision Making.
Human-AI Lab, University of Chicago.   Mar 2021

Making Better Use of the Crowd to Enhance AI.
Computer Science Seminar, University of Notre Dame.   Oct 2020

Understanding Human Trust in Machine Learning through Behavioral Experiments.
Computational Social Science Satellite, Keynote, Conference on Complex Systems.   Dec 2020
Mathematical and Computational Psychology Colloquium, Purdue University.   Jan 2020
Computer Science Colloquium, Northwestern University.   Oct 2019

Towards Effective Human-AI Partnership.
Statistics Colloquium, Purdue University.   Dec 2019

Peeking into the On-Demand Economy.
Marketing Seminar, Yale University.   Nov 2018
ACM New York City Meetup, New York, NY.   Jun 2018
Data Science Seminar, University of Massachusetts at Amherst.   Mar 2017
Computer Science Seminar, Boston College.   Mar 2017
Computer Science Colloquium, Simon Fraser University.   Mar 2017
Information Science Colloquium, Cornell University.   Feb 2017
Microsoft Research, New York, NY.   Feb 2017
Computer Science Colloquium, Purdue University.   Feb 2017
Computer Science Colloquium, University of Waterloo.   Feb 2017

Designing Incentives for Humans in the Loop.
Image and Video Computing Seminar, Boston University.   Nov 2016

NSF funds institute to research AI-powered cybersecurity, *Purdue CS News.*   May 2023
Purdue CS researchers present four papers at AAAI, *Purdue CS News.*   Feb 2023
AI-based credibility indicators for fighting fake news, *Purdue CS News.*   Oct 2022
Are teams better than individuals at getting work done? *Knowledge at Wharton.* Oct 2021
Fairness in machine learning: Purdue joins $1M NSF fairness in AI program, *Purdue CS News.*
                                                                                Mar 2021
Neville, Tan & Yin to speak at women in data science, *Purdue CS News.*   Feb 2019
The shape of work to come, *Nature News Feature.*   Oct 2017

Steering Committee
The AAAI Conference on Human Computation and Crowdsourcing (HCOMP): 2023-2024

Program Committee Chair/Co-Chairs
The 10th AAAI Conference on Human Computation and Crowdsourcing (HCOMP): 2022

Organizing Committees
AAAI Conference on Human Computation and Crowdsourcing (HCOMP)
- Doctoral symposium Co-chair; 2019
- CrowdCamp Co-chair; 2018
- Website Co-Chair; 2017
ACM Conference on Human Factors in Computing Systems (CHI)
- Co-organizer; Designing for Curisoity: An Interdisciplinary Workshop, 2017

Area Chairs
AAAI Conference on Artificial Intelligence (AAAI): 2023
ACM Conference on Fairness, Accountability, and Transparency (FAccT): 2023

Senior Program Committees/Associate Chairs
The Web Conference (WWW): 2023
AAAI Conference on Artificial Intelligence (AAAI): 2022
ACM Conference on Human Factors in Computing Systems (CHI): 2020, 2021, 2022, 2024
AAAI Conference on Human Computation and Crowdsourcing (HCOMP): 2020

Program Committees
AAAI Conference on Artificial Intelligence (AAAI): 2019, 2020, 2021
International Joint Conference on Artificial Intelligence (IJCAI): 2019, 2020, 2021, 2022 – 2024 (PC Board)
The Web Conference (WWW): 2018, 2019, 2021, 2022
ACM Conference on Economics and Computation (EC): 2019, 2020
IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM): 2019
The Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD): 2017, 2018
The Workshop on Fairness and Robustness in Machine Learning for Ubiquitous Computing (@UbiComp): 2023
The Workshop on Human-Centered AI (@NeurIPS): 2022
The Workshop on Human-Machine Collaboration and Teaming (@ICML): 2022
The Workshop on Trust and Reliance in AI-Human Teams (@CHI): 2022, 2023
The Workshop on Behavioral Economics and Computation (@EC): 2019, 2020
The Workshop on Human-in-the-loop Methods and Human Machine Collaboration in Big Data (@IEEE BigData): 2019
The Workshop on Human Computation for Image and Video Analysis (@HCOMP): 2017

Conference Reviewer

ACM Conference on Human Factors in Computing Systems (CHI): 2014, 2017, 2018, 2019
ACM Conference on Computer-Supported Cooperative Work (CSCW): 2015, 2018, 2019, 2021
ACM Symposium on User Interface Software and Technology (UIST): 2019, 2020
The Conference on Neural Information Processing Systems (NeurIPS): 2021
ACM Conference on Economics and Computation (EC): 2016
The Conference on Web and Internet Economics (WINE): 2012
International World Wide Web Conference (WWW): 2011
The International Colloquium on Automata, Languages and Programming (ICALP): 2010

Journal Reviewer
Artificial Intelligence Journal (AIJ)
Journal of Artificial Intelligence Research (JAIR)
Science Advances
ACM Transactions on Computer-Human Interaction (TOCHI)
ACM Transactions on Social Computing (TSC)
ACM Transactions on Intelligent Systems and Technology (TIST)
IEEE Transactions on Knowledge and Data Engineering (TKDE)
International Journal of Human-Computer Interaction (IJHCI)
Computational Brain & Behavior

Student Organizer
Harvard EconCS Seminar   2013 – 2014

Graduate Student Mentor
SEAS Connect Program, Harvard University   2013 – 2014
GSAS Host Student Program, Harvard University   2012 – 2013

President
Student Association of Science and Technology (SAST), School of Software, Tsinghua University
                                                                          2010 – 2011