Jingwu Tang

CONTACT INFORMATION

jingwutang@cmu.edu
https://tangjingwu.com

EDUCATION

Carnegie Mellon University, Pittsburgh, PA
Ph.D. in Societal Computing (GPA: 4.11/4.00), School of Computer Science — Aug 2023 – Present
- Advisors: Steven Wu and Fei Fang

Peking University, Beijing, China
B.S., School of Electronics Engineering and Computer Science, Turing Class — Sep 2019 – July 2023
- Undergraduate Advisor: Xiaotie Deng

INDUSTRY EXPERIENCE

Amazon, Bellevue, WA
Applied Scientist Intern — Jun 2026 – Aug 2026
Worked on self-distillation of large language models (LLMs).

RESEARCH EXPERIENCE

Carnegie Mellon University, Pittsburgh, PA
Graduate Student Researcher — Aug 2023 – Present
Working with Profs. Steven Wu and Fei Fang on the theory and practice of uncertainty quantification and its applications in decision making.

Carnegie Mellon University, Pittsburgh, PA
Undergraduate Research Intern — July 2022 – July 2023
Worked with Prof. Steven Wu on designing algorithms for generating differentially private synthetic data. Resulted in a publication at ICML 2023.

Peking University, Beijing, China
Undergraduate Student Researcher — August 2021 – July 2022
Worked with Prof. Xiaotie Deng on designing optimal auction mechanisms using deep learning. Published at ICML 2022.

PREPRINTS AND PUBLICATIONS

Jingwu Tang*, Jiahao Zhang*, Fei Fang, Zhiwei Steven Wu. Persuasive Prediction via Decision Calibration. *Neural Information Processing Systems (NeurIPS)*, 2026.

Shanda Li, Qiuhong Anna Wei, **Jingwu Tang**, Valerie Chen, Nihar B Shah, Tim Dettmers, Yiming Yang, Ameet Talwalkar. ReproRepo: Scaling Reproducibility Audits with GitHub Repository Issues. *Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2026.

Andrew Ilyas, Joonhyuk Ko, **Jingwu Tang**, Zhiwei Steven Wu, Jiahao Zhang. (Alphabetical) Provably Label-Efficient Conformal Prediction. *International Conference on Machine Learning (ICML)*, 2026.

Jingwu Tang, Jiayun Wu, Zhiwei Steven Wu, Jiahao Zhang. (Alphabetical) Dimension-Free Decision Calibration for Nonlinear Loss Functions. *International Conference on Learning Representations (ICLR)*, 2026.

Naveen Janaki Raman, **Jingwu Tang**, Zhiyu Chen, Zheyuan Ryan Shi, Sean Hudson, Ameesh Kapoor, Fei Fang. RescueLens: LLM-Powered Triage and Action on Volunteer Feedback for Food Rescue. *Innovative Applications of AI Conference (IAAI)*, 2026.

Jingwu Tang, Gokul Swamy, Fei Fang, Zhiwei Steven Wu. Multi-Agent Imitation Learning: Value is Easy, Regret is Hard. *Neural Information Processing Systems (NeurIPS)*, 2024.

Terrance Liu*, **Jingwu Tang***, Giuseppe Vietri*, Zhiwei Steven Wu. Generating Private Synthetic Data with Genetic Algorithms. *International Conference on Machine Learning (ICML)*, 2023.

Zhijian Duan, **Jingwu Tang**, Yutong Yin, Zhe Feng, Xiang Yan, Manzil Zaheer, Xiaotie Deng. A Context-Integrated Transformer-Based Neural Network for Auction Design. *Proceedings of the 39th International Conference on Machine Learning (ICML)*, 2022.

SERVICES

Workflow Co-Chair: AAMAS 2026

Program Committee: NeurIPS 2024, 2025; ICML 2025, 2026; ICLR 2025, 2026; AAAI 2024

Workshop Program Committee: ICML 2024 Workshops (MHFAIA, ARLET, RLControlTheory); AAAI 2023 Workshop (PPAI)

SELECTED HONORS AND AWARDS

Deployed Application Award, Innovative Applications of AI Conference (IAAI) 2026

Summa Cum Laude, Peking University 2023

John Hopcroft Scholarship, Peking University 2022, 2021

Merit Student, Peking University 2020

Chinese Mathematical Olympiad (CMO), Silver Medal 2017

MENTORSHIP

Joonhyuk Ko (UVA, Undergraduate, joinng Princeton in 2026), Provably Correct Human-AI Labeling 2025 –

Yuanchen Tang (PKU, Undergraduate; now Ph.D. student at UIUC), MARL 2024 – 2025

TEACHING EXPERIENCE

Carnegie Mellon University, Pittsburgh, PA

Teaching Assistant August – December 2024

18-734/17-731 Foundations of Privacy: Covered the basics of differential privacy, private machine learning, and algorithmic fairness. Conducted recitation sessions. [Site]

Peking University, Beijing, China

Teaching Assistant Fall 2022, Fall 2021

CS 33400 Discrete Mathematics and Structures: Covered the basics of axiomatic set theory, mathematical logic, algebraic structures, graph theory, and discrete probability. Conducted recitation sessions.

TALKS

Multi-Agent Imitation Learning: Value is Easy, Regret is Hard.
- RLC Workshop RLSW, 2024

Dimension-Free Decision Calibration for Nonlinear Loss Functions.
- Theory Seminar, University of Pennsylvania Theory Group
- EconCS Seminar, Carnegie Mellon University
- Zhi Talk, Zhi Class, Peking University

SKILLS Python (JAX, PyTorch, TensorFlow, NumPy), C/C++, MATLAB, Linux