

YICHI ZHANG

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CoRE 417, Computer Science Department, Rutgers University

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RESEARCH INTERESTS

I'm interested in the intersection between computer science and economics, focusing on information elicitation and aggregation, data evaluations, and, more recently, large language models. My research designs theoretically robust evaluation metrics to incentivize high-effort human feedback, evaluate data quality, and supervise AI.

POSITIONS

Rutgers University

Sep 2024 - Present

- Postdoctoral Associate at DIMACS
- Hosts: David Pennock and Lirong Xia

EDUCATION

University of Michigan, Ann Arbor (Umich)

Sep 2019 - Dec 2024

- Ph.D. in Information
- Advisor: Grant Schoenebeck
- Thesis: Incentivizing Effort and Honesty for High-quality Information

Shanghai Jiao Tong University (SJTU)

Aug 2015 - Jun 2019

- B.S. in Electronic Science and Engineering
- Advisors: Xinbing Wang and Luoyi Fu

WORKING EXPERIENCES

University of Michigan, School of Information

Sep 2019 - Aug 2024

Graduate Student Research Assistant, Useful Theory Innovation Lab

UCLA, Department of Computer Science

Jul 2018 - Sep 2018

Research Intern (The CSST program), working with Mario Gerla

YITUTech

Feb 2019 - May 2019

Algorithm Engineer Intern

WORKING PAPERS

Stochastically Dominant Peer Prediction

Yichi Zhang, Shengwei Xu, David Pennock, and Grant Schoenebeck [<https://arxiv.org/abs/2506.02259>]

Evaluating LLM-Corrupted Crowdsourcing Data Without Verifications

Yichi Zhang*, Jinlong Pang*, Zhaowei Zhu, and Yang Liu [<https://arxiv.org/abs/2506.06991>]

Good Enough? Evaluating Peer and AI Grading via A TA Benchmark

Sanzeed Anwar*, **Yichi Zhang***, Noah Burrell, and Grant Schoenebeck

Conference Design with Strategic Authors

Yichi Zhang, Behzad Nabawi and Grant Schoenebeck

From Crowds to Codes: Can Adaptive Peer Review Help?

Xingbo Wang, Fang-Yi Yu, **Yichi Zhang** (alphabetically ordered)

JOURNAL SUBMISSIONS

A System-Level Analysis of Conference Peer Review

Yichi Zhang, Fang-Yi Yu, Grant Schoenebeck, and David Kempe

Major Revision at Operations Research

CONFERENCE PUBLICATIONS

Eliciting Informative Text Evaluations with Large Language Models

Yuxuan Lu, Shengwei Xu, **Yichi Zhang**, Yuqing Kong, and Grant Schoenebeck *In Proceedings of the 25th ACM Conference on Economics and Computation* (EC 2024)

[\[https://arxiv.org/abs/2405.15077\]](https://arxiv.org/abs/2405.15077)

Spot Check Equivalence: an Interpretable Metric for Information Elicitation Mechanisms

Shengwei Xu, **Yichi Zhang**, Paul Resnick, and Grant Schoenebeck

In Proceedings of the 33rd Annual World Wide Web Conference

(WWW 2024)

[\[https://arxiv.org/abs/2402.13567\]](https://arxiv.org/abs/2402.13567)

(Oral presentation)

Eliciting Honest Information From Authors Using Sequential Review

Yichi Zhang, Grant Schoenebeck, and Weijie Su

In Proceedings of the 38th Annual AAAI Conference on Artificial Intelligence

(AAAI 2024)

[\[https://arxiv.org/abs/2311.14619\]](https://arxiv.org/abs/2311.14619)

Multi-task Peer Prediction Under Task-Dependent Strategies

Yichi Zhang and Grant Schoenebeck

In Proceedings of the 32nd Annual World Wide Web Conference

(WWW 2023)

[\[https://dl.acm.org/doi/abs/10.1145/3543507.3583292\]](https://dl.acm.org/doi/abs/10.1145/3543507.3583292)

High-Effort Crowds: Limited Liability Via Tournaments

Yichi Zhang and Grant Schoenebeck

In Proceedings of the 32nd Annual World Wide Web Conference

(WWW 2023)

[\[https://dl.acm.org/doi/abs/10.1145/3543507.3583334\]](https://dl.acm.org/doi/abs/10.1145/3543507.3583334)

A System-Level Analysis of Conference Peer Review

Yichi Zhang, Fang-Yi Yu, Grant Schoenebeck, and David Kempe

In Proceedings of the 23rd ACM Conference on Economics and Computation

(EC 2022)

Major revision at **Operations Research**

[\[https://arxiv.org/abs/2303.09020\]](https://arxiv.org/abs/2303.09020)

Information Elicitation From Rowdy Crowds

Grant Schoenebeck, Fang-Yi Yu, and **Yichi Zhang** (alphabetically ordered) *In Proceedings of the 30th Annual World Wide Web Conference* (WWW 2021)

[\[https://dl.acm.org/doi/abs/10.1145/3442381.3449840\]](https://dl.acm.org/doi/abs/10.1145/3442381.3449840)

INVITED TALKS

Evaluating LLM-Corrupted Crowdsourcing Data Without Verification

- Stanford University, the EC Workshop on Human–Algorithm Collaboration July 2025

Peer Prediction on the Move: From Expected Score to Score Distribution

- Princeton University, Mechanism Design Group November 2024

High-Effort Crowds: Limited Liability Via Tournaments

- Rutgers University, the DIMACS Workshop on Forecasting October 2024

Eliciting Honest Information From Authors Using Sequential Review

- Princeton University, Mechanism Design Group October 2024
- University of Massachusetts, Amherst, Computer Science Theory Seminar October 2024
- Harvard University, EconCS seminar January 2024

Improving Conference Review Via Mechanism Design

- Renmin University of China, Gaoling School of Artificial Intelligence August 2023
- Peking University, CFCS seminar July 2023
- University of Michigan, DSCSS seminar April 2023
- University of Pennsylvania, Wharton Statistics and Data Science March 2023
- Drexel University, Computer Science Department March 2023

TEACHING

Teaching assistant (GSI), Umich

Winter 2022

Courses: Big Data Analysis (SI 699)

Instructor: Misha Teplitskiy

Teaching assistant (GSI), Umich

Fall 2021

Course: Deep Learning (SIADS 642)

Instructor: Paramveer Dhillon

Course: Network Analysis (SIADS 642)

Instructor: Daniel Romero

AWARDS

- ICSSI Travel Award. 2024
- Rackham Conference Travel Grant, University of Michigan. 2023, 2024
- The Web Conference Student Scholarship. 2021
- Nominee for the Rackham International Student Fellowship, UMSI. 2021
- Outstanding Graduate of Shanghai Jiao Tong University. 2019
- EIC Education Scholarship (top 5%). 2018
- Samsung Scholarship (top 3%). 2017

RESEARCH MENTORSHIP

- Kevin Lu (PhD Student at Rutgers University)

- Yuang Zhang (PhD Student at George Mason University)
- Shengwei Xu (PhD Student at the University of Michigan)
- David Gamba (PhD Student at the University of Michigan)
- Sanzeed Anwar (PhD Student at the University of Michigan)
- Behzad Nabawi (Undergrad at Sharif University of Technology)

SERVICE

Reviewer/PC member:

- International Conference on Learning Representations (**ICLR**): 2025
- The Annual Conference on Neural Information Processing Systems (**NeurIPS**): 2024 - 2025
- The Web Conference (**WWW**): 2022 - 2025
- The ACM Conference on Economics and Computation (**EC**): 2025
- Conference on Web and Internet Economics (**WINE**): 2023 - 2024
- International Conference on Computational Social Science (**IC2S2**): 2024

Organizer:

- The Annual [Workshop on Incentives in Academia](#), jointly organized with EC 2024, 2025.