

# YICHI ZHANG

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## RESEARCH INTERESTS

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Information elicitation, mechanism design, incentive-aware learning and decision making, problems at the interface of AI and economics. Applications of interests include crowdsourcing, peer review, peer grading, recommender system, and generative AI.

## EDUCATION

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**University of Michigan, Ann Arbor (Umich)** Sep 2019 - Present

Ph.D. in School of Information

Advisor: Grant Schoenebeck

**Shanghai Jiao Tong University (SJTU)** Aug 2015 - Jun 2019

B.S. in Electronic Science and Engineering

**University of California, Los Angeles (UCLA)** Jul 2018 - Sep 2018

CSST (summer research program), Department of Computer Science

Advisor: Mario Gerla

## PUBLICATIONS

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### Information Elicitation From Rowdy Crowds

Grant Schoenebeck, Fang-Yi Yu and **Yichi Zhang** (ranked by alphabet)

*In Proceedings of the 30th Annual World Wide Web Conference*

(*TheWebConf 2021*)

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

### 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*)

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

### High-Effort Crowds: Limited Liability Via Tournaments

**Yichi Zhang** and Grant Schoenebeck

*In Proceedings of the 32nd Annual World Wide Web Conference*

(*TheWebConf 2023*)

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

### Multi-task Peer Prediction Under Task-Dependent Strategies

**Yichi Zhang** and Grant Schoenebeck

*In Proceedings of the 32nd Annual World Wide Web Conference*

(*TheWebConf 2023*)

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

## SELECTED TALKS

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### Improving Conference Review Via Mechanism Design

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|---|-------------|
| • 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  |

## TEACHING

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### Teaching assistant (GSI), Umich

Fall 2021

*Course:* Deep Learning (SIADS 642)

*Instructor:* Paramveer Dhillon

*Course:* Network Analysis (SIADS 642)

*Instructor:* Daniel Romero

### Teaching assistant (GSI), Umich

Winter 2021

*Courses:* Big Data Analysis (SI 699)

*Instructor:* Misha Teplitskiy

## AWARDS

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- The Web Conference Student Scholarship. 2021
- EIC Education Scholarship (top 5%). 2018
- Samsung Scholarship (top 3%). 2017

## SERVICE

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**Reviewer/PC member:** WINE 2023, EC 2023, WWW 2023, EC 2022, WWW 2022