

# TENG YE

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## RESEARCH INTERESTS

**Methodologies:** Machine Learning, Big Data Analytics, Field & Lab Experiments, Causal Inference, Surveys

**Topics:** Social Good, Digital Economy, Crowdfunding, Crowdsourcing, Social Media, Online Communities, User Experience

## EMPLOYMENT

**University of Minnesota, Twin Cities**, Carlson School of Management, MN 08/2021 -  
Assistant Professor

**Didi Chuxing**, AI Labs, Beijing, China 09/2018 - 01/2020  
Data Scientist Intern. Mentor: Jieping Ye. & 06/2016 - 08/2016

**University of Chicago**, Data Science for Social Good, Chicago, IL 06/2018 - 08/2018  
Research Fellow. Mentors: Rayid Ghani, Joseph Walsh.

**eBay**, Data & Data Infrastructure, Shanghai, China 06/2013 - 10/2013  
Business & System Analyst Intern. Mentor: Yueqin Cao.

**Essence Securities**, Industry Research Department, Shanghai, China 04/2013 - 06/2013  
Industry Analyst Intern. Mentors: Yang Liu, Fan Lin.

## EDUCATION

**University of Michigan, Ann Arbor** 2021  
Ph.D. in Information Science

**Shanghai Jiao Tong University** 2016  
M.M. in Management Science and Engineering

**Shanghai Jiao Tong University** 2013  
B.M. (with honors) in Information Systems and Management  
B.A. in Literature (Minor)

## HONORS & AWARDS

**Rising Stars in Data Science**, University of Chicago, CDAC. 2021

**Data Science for Social Good Fellowship**, University of Chicago. 2018  
(38 selected among 900+ applications)

**Ph.D. Field Prelim Passed with Distinction**, University of Michigan. 2016

**Rackham Graduate Student Research Grant**, University of Michigan. 2016

**Shanghai Outstanding Graduate**, Shanghai Jiao Tong University. 2013  
(1 selected yearly in the Department of Information Systems and Management)

**Shanghai Outstanding Student Scholarship**, Shanghai Jiao Tong University. 2012  
(2 selected yearly among 1,000+ students at Antai College of Economics and Management)

**REFERRED PUBLICATIONS**

**Ye, T.,** Ai, W., Zhang, L., Luo, N., Zhang, L., Ye, J., & Mei, Q. Predicting Individual Treatment Effects of Large-scale Team Competitions in a Ride-sharing Economy. *Proceedings of the 26th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD 2020)*.

**Ye, T.,** Johnson, R., Fu, S., Copeny, J., Donnelly, B., Freeman, A., Lima, M., Walsh, J., & Ghani, R. (2019). Using Machine Learning to Help Vulnerable Tenants in New York City. *Proceedings of the 2nd ACM SIGCAS Conference on Computing and Sustainable Societies (ACM COMPASS 2019)*.

**Ye, T.,** You, S., & Robert, L. (2017). When Does More Money Work? Examining the Role of Perceived Fairness in Pay on the Performance Quality of Crowdworkers. *Proceedings of the 11th International AAAI Conference on Web and Social Media (ICWSM 2017)*.

**Ye, T.,** & Robert, L. (2017). Does Collectivism Inhibit Individual Creativity? The Effects of Collectivism and Perceived Diversity on Individual Creativity and Satisfaction in Virtual Ideation Teams. *Proceedings of the 20th ACM Conference on Computer Supported Cooperative Work and Social Computing Companion (CSCW 2017)*.

You, S., **Ye, T.,** & Robert, L. (2017). Team Potency and Ethnic Diversity in Embodied Physical Action (EPA) Robot- Supported Dyadic Teams. *Proceedings of the 38th International Conference on Information Systems (ICIS 2017)*.

Robert, L., **Ye, T.,** Alahmad, R., & Pierce, C. (2017). Effect of Dispersion, Electronic Communication & Transactive Memory Systems on Team Performance. *Proceedings of the 77th Academy of Management Conference (AOM 2017)*.

**Ye, T.,** Alahmad, R., Pierce, C. & Robert, L. (2017). Race and Rating on Sharing Economy Platforms: The Effect of Race Similarity and Reputation on Trust and Booking Intention in Airbnb. *Proceedings of the 38th International Conference on Information Systems (ICIS 2017, Short Paper)*.

**Ye, T.,** Reinecke, K., & Robert, L. (2017). Personalized Feedback Versus Money: The Effect on Reliability of Subjective Data in Online Experimental Platforms. *Proceedings of the 20th ACM Conference on Computer Supported Cooperative Work and Social Computing Companion Extended Abstracts (CSCW 2017, Poster)*.

**Ye, T.,** Han, L., Xing, C., & Zhang, Y. (2016). Knowledge Dissemination Mechanism in Virtual Communities: Case Study Based on Complex Network Theory. *New Technology of Library and Information Service. Z, 1, pp.70-77.* (Chinese Core Journal)

Chen, G., Shen, H., **Ye, T.,** Chen, G., & Kerr, N. (2013). A Kinetic Model for the Spread of Rumor in Emergencies. *Discrete Dynamics in Nature and Society*.

**Ye, T.,** & Zhu, G. (2012). New Mathematical Simplification Method of Karnaugh Map. *Journal of Hebei University of Science and Technology. 33(3), pp.202-206.* (Chinese Core Journal)

## RESEARCH MENTORSHIP

Junhui Jin & Jingnan Zheng, Undergrads, EECS, University of Michigan 04/2020 - present  
*Project: Predicting the Success of COVID-19 Fundraising on Online Crowdfunding Platforms*

Kai Xiong & Yumin Zhang, Master's, EECS & SI, University of Michigan 11/2019 - present  
*Project: Sentiment Analysis and Opinion Mining of Airline Reviews*

Shi Lu, Master's, SI, University of Michigan 10/2019 - 12/2019  
*Project: Extracting the Key Indicators of User Experience by Mixed Methods*

Ning Luo, Master's, AI Labs, Didi Chuxing 01/2019 - 05/2020  
*Project: Predicting Individual Treatment Effects of Large-scale Team Competitions*

Mei Fu & Phoebe Liang, Master's, SI, University of Michigan 01/2018 - 04/2018  
*Project: Take the Bait: Predicting Coupon Redemption in the Sharing Economy*  
 (Note: EECS – Electrical Engineering and Computer Science; SI – School of Information)

## GRANT APPLICATIONS

**(Funded) Post-pandemic Rejuvenation through Team Competition and Information Intervention** 2020  
 (Role: Graduate Student Researcher; PI: Yan Chen, Qiaozhu Mei)

**(Funded) Improving Driver Performance & Retention by Team Competition** 2019  
 (Role: Graduate Student Researcher; PI: Yan Chen, Qiaozhu Mei)

**(Funded) China Southern Airlines e-Platform Strategy Analysis** 2018  
 (Role: Graduate Student Researcher; PI: Qiaozhu Mei)

**Trust, Fairness and Satisfaction in DiDi's Digital Platform** 2017  
 (Role: Graduate Student Researcher; PI: Paul Resnick, Lionel Robert Jr.)

**Incentive Distribution Strategy Based on Rider Retention Status & Lifetime Value** 2016  
 (Role: Graduate Student Researcher; PI: Yan Huang)

## TEACHING

**Instructor, University of Minnesota**  
 MABA 6411 Exploratory Data Analytics Fall, 2021

**Graduate Student Instructor, University of Michigan**

SI 670 Applied Machine Learning Fall, 2020

SIADS 502 Math Methods for Data Science (online degree course) Fall, 2020

SI 582 Introduction to Interaction Design Winter, 2018

SI 623 Research Methods for Information Professionals Fall, 2017

SI 622 Needs Assessment and Usability Evaluation Winter, 2016

SI 500 Information in Social Systems Fall, 2015

**Guest Lecturer, University of Michigan**

Use Machine Learning to Prioritize Government Outreach	03/2021
Experimental Research in Information Science	11/2017
Surveys in User Experience Research	02/2016

**Teaching Assistant, Shanghai Jiao Tong University**

Principles of Management	Winter, 2014
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**PROFESSIONAL ACTIVITIES AND SERVICE****Conference Program Committee (PC)/Reviewer**

ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD), <i>PC</i>	2021
AAAI Conference on Artificial Intelligence (AAAI), <i>PC</i>	2021
ACM International Conference on Web Search and Data Mining (WSDM), <i>PC</i>	2021-2022
The International AAAI Conference on Web and Social Media (ICWSM), <i>Reviewer</i>	2021-2022
IEEE International Conference on Smart Data Services (SMDS), <i>PC</i>	2021
ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR), <i>Reviewer</i>	2021
ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW), <i>Reviewer</i>	2017-2018
AIS International Conference on Information Systems (ICIS), <i>Reviewer</i>	2015-2018, 2022
ACM CHI Conference on Human Factors in Computing Systems (CHI), <i>Reviewer</i>	2017

**Journal Reviewer**

Information Systems Research (ISR)	2021
Data Mining and Knowledge Discovery (DAMI)	2021
Transactions on the Web (TWEB)	2021
Journal of Medical Internet Research (JMIR)	2021
Journal of Biomedical Informatics (JBI)	2020
The Journal of the Association for Information Science and Technology (JASIST)	2020
Future Generation Computer Systems	2017

**Departmental Service**

Doctoral Executive Committee, <i>Advocating for the interests of doctoral students</i>	2016-2017
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