

# Guohou (Jack) Shan

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## Education

**Temple University** Philadelphia, USA  
*Ph.D. in Management Information System* **Research Assistant** 2019-Current  
**Advisors:** Dr. Sunil Wattal and Dr. Jason Thatcher  
**Dissertation Topic:** Three Essays on Online Misinformation and Fact-checking Contribution

**University of Maryland** Maryland, USA  
*M.S. in Information System* **Research and Teacher Assistant** 2017-2018  
**Research Topics:** Machine Learning, deep learning, and blockchain

**University of Science and Technology of China** Hefei, China  
*M.S. in Management Science and Engineering* **Research Assistant** 2014-2017  
**Hefei University of Technology** Hefei, China  
*B.S. of Electronic Commerce* 2010-2014

## Research Interests & Method

**Topics:** misinformation, crowdfunding, real-time employee feedback

**Methods:** Econometrics, Experimental design, Machine Learning and Deep Learning

## Teaching Interests

Data analytics, machine learning, statistical methods, Decision support systems

## Software and Programming Skills

**Tool:** Stata, SPSS, R, MATLAB, Mathematica, WEKA; Tableau;

**Framework:** Tensorflow, Keras, Pytorch;

**Language:** Python, Java;

**Database:** MySQL, Redis, Level-db;

**Platform and OS:** AWS, Linux, Ubuntu

## Publications and Papers Under Review

**Guohou Shan**, Marten Risius, Sunil Wattal, and Jason Thatcher. “Exploring AI versus human Effectiveness on Social Media.”

*Major revision from MIS Quarterly* (In preparation for a 2nd round review).

Dongsong Zhang, **Guohou Shan**, Minwoo Lee, Zhihui Liu, Lina Zhou “Exploring the Power of Transfer Learning in Detecting Fake News.”

*Major revision from MIS Quarterly* (In preparation for a 2nd round review).

Xue Guo\*, **Guohou Shan\***, Michael Rivera\*, and Liangfei Qiu. “Exploring the Effectiveness of Digital Nudges in Generating Real-time Employee Feedback: A Field Experiment.”

**Under 1st round review** at Information Systems Research (\* equal contributions)

**Shan, G.**, Zhou, L., and Zhang, D. (2020). What reveals about depression level? The role of multimodal features at the level of interview questions. *Information & Management*, 57(7), 103349.

**Shan, G.**, Zhou, L., and Zhang, D. (2021). From conflicts and confusion to doubts: Examining review inconsistency for fake review detection. *Decision Support Systems*, 113513.

**Shan, G.**, Zhao, B., Clavin, J. R., Zhang, H., & Duan, S. (2021). Poligraph: Intrusion-tolerant and distributed fake news detection system. *IEEE Transactions on Information Forensics and Security*, 17, 28-41.

## Papers in Preparation

**Guohou Shan**, Konstantin Bauman, and Sunil Wattal. “Uncertainty Prediction for Crowdfunding Projects: A Multi-Label Attention-based Text-CNN Approach.” (*in final preparation for submission to Information Systems Research*)

**Guohou Shan**, Konstantin Bauman, Michael Rivera, and Subodha Kumar. “Mobile or Desktop, That Is The Question: A Empirical Study of Investigating the Role of Device on Real-time Employee Feedback Quality” (*in final preparation for submission to Information Systems Research*).

**Guohou Shan**, Sunil Wattal, Marten Risius, and Jason Thatcher “How Fact-checking Affects News Engagement on Social Media Platforms: A Multi-method Study.” (*data collection in progress, plan to Management Science*).

**Guohou Shan**, Sunil Wattal, and Jason Thatcher “How Does Anonymizing Users' Identity Affect Fact-checking on Social Media Platforms? A Multi-Method Study.” (*drafting, plan to Management Science*).

Michael Rivera, **Guohou Shan**, and Mariia Petryk “Better Call a Mechanic: An Empirical Examination of Real-Time Feedback and Automotive Repair Service Outcomes.” (*drafting, plan to Management Science*).

Monideepa Tarafdar, **Guohou Shan**, Jason Thatcher, and Alok Gupta “Intellectual Diversity and Inclusion in IS: Conceptualization and Illustration.” (*drafting, plan to Information Systems Research*).

**Guohou Shan** and Michael Rivera “Humanizing Digital Transformation Across People and Things: An Empirical Investigation of the Impact of Real-time Feedback Types on Performance.” (*data analysis in progress, plan to Information Systems Research*).

Phil Roth, **Guohou Shan**, Phil Bob, Emily Vance, Rebecca Roth, and Jason Thatcher “How Fact-checking Affects News Engagement on Social Media Platforms: A Multi-method Study.” (*data collection in progress, plan to Journal Applied Psychology*).

Wenxi Pu, **Guohou Shan**, Phil Roth, and Jason Thatcher “Algorithmic Bias in Job Hiring.” (*data collection in progress, plan to Management Science*).

## **Conference Proceedings**

Guohou Shan, Sunil Wattal, Jason Thatcher (2022). “How Does Anonymizing Crowdsourced Users' Identity Affect Fact-checking on Social Media Platforms? A Regression Discontinuity Analysis”. **ICIS, Copenhagen, Denmark**.

Guohou Shan, Michael Rivera (2022). “Humanizing Digital Transformation Across People and Things: An Empirical Investigation of the Impact of Real-time Feedback Types on Performance”. **ICIS, Copenhagen, Denmark**.

Guohou Shan, Konstantin Bauman, Michael Rivera (2021). “Mobile or Desktop, That Is The Question: A Empirical Study of Investigating the Role of Device on Real-time Employee Feedback Quality”. **WITS, Austin, TX**.

Guohou Shan, Sunil Wattal, Marten Risius, Jason Thatcher. “How Fact-checking Affects News Engagement on Social Media Platforms: A Multi-method Study”. **WISE 2021, Austin, TX**.

Guohou Shan, Zhe Deng, Konstantin Bauman, and Qian Sun. “Student Depression Detection: An Attention-based Bi-LSTM Approach Using Online and Offline Behavior Data”. **CSWIM 2021 (virtual)**.

Guohou Shan, Zhe Deng, Konstantin Bauman, and Qian Sun. “Student Depression Detection: An Attention-based Bi-LSTM Approach Using Online and Offline Behavior Data”. **SCECR 2021**.

Guohou Shan, Konstantin Bauman, and Sunil Wattal. “Uncertainty Prediction for Crowdfunding Projects: A Multi-Label Attention based Text-CNN Approach.” **WISE 2020 (virtual)**.

Guohou Shan, Zhe Deng, Konstantin Bauman, and Qian Sun. “Student Depression Detection: An Attention-based Bi-LSTM Approach Using Online and Offline Behavior Data”. **WITS 2020**.

Guohou Shan, Konstantin Bauman, and Sunil Wattal. “Uncertainty Prediction for Crowdfunding Projects: A Multi-Label Attention based Text-CNN Approach.” **2020 Informs Workshop on Data Science (virtual)**.

Guohou Shan, Dongsong Zhang, and Lina Zhou. “How to Sell Online House for More?”. **17th Pre-ICIS, San Francisco, CA**.

Guohou Shan, Dongsong Zhang, and Lina Zhou. "Inconsistency Investigation between Online Review Content and Ratings". **AMCIS 2018, New Orleans, LA.**

## Honors and Grants

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| Participant, Doctoral Consortium of Communication Technology and Organization, AOM | 2022 |
| NSF Travel Fund  | 2022 |
| 1st in the 2nd year paper at 11th Annual PhD student research competition (\$500)  | 2021 |
| 24th Young Scholars Interdisciplinary Funding (\$11250)                            | 2022 |
| 23rd Young Scholars Interdisciplinary Funding (\$9500)                             | 2021 |
| 22nd Young Scholars Interdisciplinary Funding (\$1500)                             | 2021 |
| 21st Young Scholars Interdisciplinary Funding (\$3500)                             | 2020 |
| 20th Young Scholars Interdisciplinary Funding (\$2000)                             | 2020 |
| 19th Young Scholars Interdisciplinary Funding (\$1500)                             | 2019 |
| <b>Best Paper Nominee (Pre-ICIS)</b>   | 2019 |

## Teaching Experiences & Certificate

Data analytics (TA)

Teaching for Equity Institute Certification

Fox Teaching Academy Certification

Fox Online Teaching Certification

## Service

**Editorial Review Board** Member of *Journal of Database Management*

**Reviewer for Journals:** *Journal of the Association for Information Systems (JAIS)*, *Information Systems Journal (ISJ)*, *Journal of Information Technology (JIT)*, *Information and Management (I&M)*, *Decision Support Systems (DSS)*, *Internet Research*, *INFORMS Journal on Data Science (IJDS)*, *Electronic Commerce Research and Applications (ECRA)*, *Journal of Database Management (JDM)*

**Reviewer for Conferences:** *International Conference on Information Systems (ICIS)*, *Hawaii International Conference on System Sciences (HICSS)*, *Pacific Asia Conference on Information Systems (PACIS)*

## Professional Memberships

Association of Information Systems (AIS)

Institute for Operations Research and the Management Sciences (INFORMS)

## References

### Jason Bennett Thatcher

Milton F. Stauffer Professor

Past AIS President

Information Systems Research Senior Editor

### Sunil Wattal

Professor, Managing Director, PhD Programs

Irvin Gross Senior Research Fellow

Harold Schaefer Senior Fellow

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Director of Research, School of Data Science  
Professor, Department of Computer Science  
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