

ZHIYA ZUO

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S343 Pappajohn Business Building • Tippie College of Business
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RESEARCH INTEREST

- TOPICS: research collaboration, hiring, scientific impact, data science, social and business networks
- METHODOLOGIES: data/text mining, network analysis, statistical model, agent-based modeling

EDUCATION

Ph.D. candidate – Information Science Aug. 2014 – May 2019 (Expected)

Interdisciplinary Graduate Program in Informatics, University of Iowa, Iowa City, IA

- Thesis: Investigating Research Collaboration with Large-Scale Scholarly Data
- Advisor: [Dr. Kang Zhao](#)
- Committee: Dr. Chaoqun Ni, Dr. Nick Street, Dr. David Eichmann, and Dr. Patrick Barlow

Summer School – Complex Systems Jun. 2017 – Jul. 2017

Santa Fe Institute, Santa Fe, NM

- Training and research on complex systems
- Project 1: Behavioral footprints of depression from mobile-phone usage patterns
- Project 2: Hops across cultural boundaries: a regional analysis of beer recipe ingredients and their pairing principles

B.E. – Automation Sept. 2010 – Jun. 2014

Department of Control Science & Engineering, Tongji University, Shanghai, China

- Thesis: HEALTHMGR: An Android Application for Health Self-management
- Advisor: [Dr. Guo-Zheng Li](#)

RESEARCH AND PROFESSIONAL EXPERIENCE

Statistical Consultant – Iowa Social Science Research Center Jan. 2017 – *Current*

University of Iowa, Iowa City, IA

Visiting Research Assistant – Information Sciences Institute May 2018 – Aug. 2018

University of Southern California, Marina Del Rey, CA

- Supervisor: [Dr. Kristina Lerman](#)

Undergraduate Research Assistant – LeVis Group Sept. 2012 – Jun. 2014

Tongji University, Shanghai, China

- Mining traditional Chinese medicine data

TEACHING EXPERIENCE

Lab Instructor & Teaching Assistant – Department of Management Sciences Aug. 2016 – *Current*

University of Iowa, Iowa City, IA

- [MSCI:3250 Analyzing Data for Business Intelligence](#)

Workshop Instructor – Iowa Social Science Research Center Jan. 2017 – *Current*

University of Iowa, Iowa City, IA

- [Python Workshops](#)

Teaching Assistant – Complexity Explorer Apr. 2018 – Jun. 2018

Santa Fe Institute, Santa Fe, NM

- Teaching assistant to [Spring 2018 Complexity Challenge](#)

JOURNAL PAPERS

[J.5] Kang Zhao, **Zhiya Zuo**, and Jennifer Blackhurst. “Modeling Supply Chain Adaptation for Disruptions: An Empirically Grounded Complex Adaptive Systems Approach”. In: *Journal of Operations Management*. *Forthcoming*.

[J.4] **Zhiya Zuo**, Haifeng Qian, and Kang Zhao. “Understanding the Field of Public Affairs through the Lens of Ranked Ph.D. Programs in the United States”. In: *Policy Studies Journal*. Conditionally Accepted.

- [J.3] **Zhiya Zuo** and Kang Zhao. “The more multidisciplinary the better?—The prevalence and interdisciplinarity of research collaborations in multidisciplinary institutions”. In: *Journal of Informetrics* 12.3 (2018), pp. 736–756.
- [J.2] **Zhiya Zuo**, Kang Zhao, and David Eichmann. “The state and evolution of US iSchools: From talent acquisitions to research outcome”. In: *Journal of the Association for Information Science and Technology* 68.5 (2017), pp. 1266–1277.
- [J.1] Sheng Sun, **Zhiya Zuo**, Guo-Zheng Li, and Xiaobo Yang. “Subhealth state classification with AdaBoost learner”. In: *International Journal of Functional Informatics and Personalised Medicine* 4.2 (2013), pp. 167–179.

CONFERENCE AND WORKSHOP PAPERS

- [C.8] **Zhiya Zuo** and Kang Zhao. “A Graphical Model for Topical Impact over Time”. In: *Proceedings of the 18th ACM/IEEE on Joint Conference on Digital Libraries*. Fort Worth, TX, 2018, pp. 405–406.
- [C.7] **Zhiya Zuo** and Kang Zhao. “Collaboration Matters: Faculty Hiring in Information Schools”. In: *Proceedings of the Association for Information Science and Technology*. Vancouver, Canada, 2018.
- [C.6] **Zhiya Zuo** and Kang Zhao. “Systematic investigation of sex disparity in multidisciplinary institutions—a case study of US iSchools”. In: *Proceedings of the Association for Information Science and Technology*. Washington, DC, 2017, pp. 857–858.
- [C.5] Li Huang, Shixing Yan, Jiamin Yuan, **Zhiya Zuo**, Fuping Xu, Yanzhao Lin, Mary Qu Yang, Zhimin Yang, and Guo-Zheng Li. “Comparing of feature selection and classification methods on report-based subhealth data”. In: *2016 IEEE International Conference on Bioinformatics and Biomedicine (BIBM)*. IEEE. 2016, pp. 1356–1358.
- [C.4] Xi Wang, **Zhiya Zuo**, Yang Zhang, Kang Zhao, Yung-Chun Chang, and Chin-Shun Chou. “Investigating Regional Prejudice in China Through the Lens of Weibo”. In: *International Conference on Social Informatics*. Springer International Publishing. 2016, pp. 500–513.
- [C.3] **Zhiya Zuo**, Xi Wang, David Eichmann, and Kang Zhao. “Research Collaborations in Multidisciplinary Institutions: a Case Study of iSchools”. In: *Proceedings of the 25th International Conference Companion on World Wide Web*. Montreal, Canada, 2016, pp. 443–448.
- [C.2] Xi Wang, **Zhiya Zuo**, and Kang Zhao. “The Evolution and Diffusion of User Roles in Online Health Communities: A Social Support Perspective”. In: *2015 International Conference on Healthcare Informatics (ICHI)*. IEEE. 2015, pp. 48–56.
- [C.1] Xi Wang, **Zhiya Zuo**, Kang Zhao, and Nick Street. “Predicting User Participation and Detecting User Role Diffusion in Online Health Communities”. In: *Healthcare Informatics (ICHI), 2015 International Conference on*. IEEE. 2015, pp. 483–483.

POSTERS AND PRESENTATIONS

- [S.5] **Zhiya Zuo** and Kang Zhao. “A Graphical Model for Topical Impact over Time”. In: *2018 Conference on Data Science for Business and Economics*. West Lafayette, IN, 2018.
- [S.4] **Zhiya Zuo** and Kang Zhao. “A Graphical Model for Topical Impact over Time”. In: *4th Annual International Conference on Computational Social Science*. Evanston, IL, 2018.
- [S.3] **Zhiya Zuo** and Kang Zhao. “Collaboration Matters: Faculty Hiring in Information Schools”. In: *4th Annual International Conference on Computational Social Science*. Evanston, IL, 2018.
- [S.2] **Zhiya Zuo** and Kang Zhao. “What Matters in Job Placement—A Data Analytics Approach for Faculty Hiring in Computer Science”. In: *2018 INFORMS Annual Meeting*. Phoenix, AZ, 2018.
- [S.1] **Zhiya Zuo** and Kang Zhao. “The Prevalence and Interdisciplinarity of Collaborations in Multidisciplinary Institutions—a Case Study of iSchools”. In: *Science of Team Science Conference*. Phoenix, AZ, 2016.

WORK IN PROGRESS

- [M.6] Peter Fennell, **Zhiya Zuo**, and Kristina Lerman. “Predicting and Explaining Behavioral Data with Structured Feature Space Decomposition”. URL: <http://arxiv.org/abs/1810.09841>. **Submitted to EPJ Data Science**.
- [M.5] Wei Luo, Wenjun Jiang, and **Zhiya Zuo**. “More Equality on the Internet? Analyzing Communication in Online Health Community”. In preparation.
- [M.4] Anand Nair and **Zhiya Zuo**. “Team Success in Github: A Multilayer Network Approach”. In preparation.

- [M.3] **Zhiya Zuo** and Kang Zhao. “Predicting Future Scientific Impact: A New Perspective from Research Collaboration”. In preparation.
- [M.2] **Zhiya Zuo**, Kang Zhao, and Chaoqun Ni. “Faculty Hiring in Information Schools: Standing on the Shoulders of Giants?” **Submitted to Journal of Informetrics**.
- [M.1] **Zhiya Zuo**, Kang Zhao, Gautam Pant, and Yuanyang Liu. “What Matters in Hiring?” In preparation.

HONORS AND AWARDS

- **Datathon Winner** at the *4th Annual International Conference on Computational Social Science* (2018)
- **Honorable Mention** at the *Launch of the Complexity Challenges* (2017)
Santa Fe Institute and Mitre Corporation
- Graduate Fellowship (2014-2016)
Iowa Informatics Initiative, University of Iowa
- Outstanding Student Scholarship (2011 and 2013)
College of Electronics and Information Engineering, Tongji University
- 3rd Place at Undergraduate Mathematical Contest in Modeling (2013)
School of Mathematical Sciences, Tongji University
- 2nd Place at Undergraduate Electronic Design Contest (2012)
College of Electronics and Information Engineering, Tongji University
- 3rd Place at China Contemporary Undergraduate Mathematical Contest in Modeling (2012)
China Society for Industrial and Applied Mathematics

PROFESSIONAL SERVICE

CONFERENCE REVIEWER

- ACM Special Interest Group on Knowledge Discovery and Data Mining (SIGKDD)
- China Summer Workshop on Information Management (CSWIM)
- Conference on Information Systems and Technology (CIST)
- Hawaii International Conference on System Sciences (HICSS)
- INFORMS Workshop on Data Science
- International Conference on Information (iConference)
- International Conference on Information Systems (ICIS)
- International Conference on Smart Health (ICSH)
- International Conference on Social Computing, Behavioral-Cultural Modeling, Prediction and Behavior Representation in Modeling and Simulation (SBP-BRiMS)
- Pacific Asia Conference on Information Systems (PACIS)
- Workshop on Information Technology and Systems (WITS)
- WWW Workshop on Big Scholarly Data (BigScholar)

JOURNAL REVIEWER

- Computers in Biology and Medicine
- Electronic Commerce Research
- IEEE Transactions on Emerging Topics in Computing. Special Issue: *Scholarly Big Data*
- Journal of Operations Management
- Journal of the Association for Information Science and Technology

PROFESSIONAL MEMBERSHIP

- Association for Information Science and Technology (ASIS&T)
- Institute for Operations Research and the Management Sciences (INFORMS)

PROFESSIONAL REFERENCES

Dr. **Kang Zhao**, Associate Professor, Henry B. Tippie Research Fellow

- Department of Management Sciences, University of Iowa
- Email: kang-zhao@uiowa.edu | Phone Number: (319) 335-3831

Dr. **Kristina Lerman**, Project Leader, Research Associate Professor of Computer Science

- Information Sciences Institute and Computer Science Department, University of Southern California

- Email: lerman@isi.edu | Phone Number: (310) 448-8714

Dr. [Chaoqun Ni](#), Assistant Professor

- School of Library and Information Science, University of Iowa
- Email: chaoqun-ni@uiowa.edu | Phone Number: (319) 335-5793

Dr. [Jennifer Blackhurst](#), Professor, Henry B. Tippie Research Fellow

- Department of Management Sciences, University of Iowa
- Email: jennifer-blackhurst@uiowa.edu | Phone Number: (319) 335-0643