ZHIYA ZUO

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University of Iowa • Iowa City, IA 52242

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
Sante Fe Institute, Santa Fe, NM

- Teaching assistant to Spring 2018 Complexity Challenge

JOURNAL PAPERS

[J.4] Kang Zhao, **Zuo, Zhiya**, and Jennifer Blackhurst. "Modeling Supply Chain Adaptation for Disruptions: An Empirically Grounded Complex Adaptive Systems Approach". In: *Journal of Operations Management. Forthcoming.*

[J.3] **Zuo, Zhiya** 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] **Zuo, Zhiya**, 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, **Zuo, Zhiya**, 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] **Zuo, Zhiya** 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] **Zuo, Zhiya** and Kang Zhao. "Collaboration Matters: Faculty Hiring in Information Schools". In: *Proceedings of the Association for Information Science and Technology*. Vancouver, Canada, 2018. *Forthcoming*.

[C.6] **Zuo, Zhiya** 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, **Zuo, Zhiya**, 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, **Zuo, Zhiya**, 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] **Zuo, Zhiya**, 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, **Zuo, Zhiya**, 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, **Zuo, Zhiya**, 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] **Zuo, Zhiya** and Kang Zhao. "A Graphical Model for Topical Impact over Time". In: *2018 INFORMS Annual Meeting*. Phoenix, AZ, 2018. *Forthcoming*.

[S.4] **Zuo, Zhiya** 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.3] **Zuo, Zhiya** and Kang Zhao. "A Graphical Model for Topical Impact over Time". In: *4th Annual International Conference on Computational Social Science*. Evanston, IL, 2018.

[S.2] **Zuo, Zhiya** and Kang Zhao. "Collaboration Matters: Faculty Hiring in Information Schools". In: *4th Annual International Conference on Computational Social Science*. Evanston, IL, 2018.

[S.1] **Zuo, Zhiya** 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, **Zuo, Zhiya**, and Kristina Lerman. "Predicting and Explaining Behavioral Data with Structured Feature Space Decomposition". **Submitted to EPJ Data Science.**

[M.5] Wei Luo, Wenjun Jiang, and **Zuo, Zhiya**. "More Equality on the Internet? Analyzing Communication in Online Health Community". **Submitted to 2019 iConference as a poster.**

[M.4] Anand Nair and **Zuo, Zhiya**. "Team Success in Github: A Multilayer Network Approach". In preparation.

[M.3] **Zuo, Zhiya**, Haifeng Qian, and Kang Zhao. "Understanding the Field of Public Affairs through the Lens of Ranked Ph.D. Programs in the United States". **Submitted to Policy Studies Journal**.

[M.2] **Zuo, Zhiya** and Kang Zhao. "Predicting Future Scientific Impact: A New Perspective from Research Collaboration". In preparation.

[M.1] **Zuo, Zhiya**, Kang Zhao, and Chaoqun Ni. "Hiring in Academic: Standing on the Shoulders of Giants?" 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
- Journal of Operations Management
- Journal of the Association for Information Science and Technology
- IEEE Transactions on Emerging Topics in Computing. Special Issue: *Scholarly Big Data*

PROFESSIONAL MEMBERSHIP

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