

# Wenli Zhang

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Doctoral Candidate

Department of Management Information Systems

The University of Arizona

## Education

Ph.D.	Business Administration – Management Information Systems The University of Arizona (U of A)	08.2013 – Expected 05.2018 Tucson, USA
M.S.	Management Science and Engineering - Information Systems University of Electronic Science and Technology of China (UESTC)	09.2010 – 07.2013 Chengdu, China
B.S.	Computer Science and Technology Sichuan Normal University (SNU)	09.2003 – 07.2007 Chengdu, China

## Research Interests

Machine Learning	Natural Language Processing	Social Network Analysis
Data/Text/Web Mining	Information Retrieval	Healthcare Analytics

## Teaching Interests

Machine Learning	Text/Data/Web Mining	Natural Language Processing
Database	Big Data	Using, Managing & Designing Information systems

## Work In Progress

**Zhang, W.**, Ram, S., A Comprehensive Analysis of Risk Factors for Asthma: Based on Machine Learning and Large Heterogeneous Data Sources [MISQ Special Issue Under Review].

**Zhang, W.**, Ram, S., Domain Adaptation for Signal Extraction from Large Social Media Datasets, [CIST 2017 Accepted, to be submitted to MISQ in 2017]

**Zhang, W.**, Ram, S., A Machine Learning Approach for Understanding Population-Level Health Effects of E-Cigarettes, [CHITA 2017 Accepted, to be submitted to JAMIA in 2018]

**Zhang, W.**, Ram, S., Are Electronic Cigarettes a Safer Substitute for Cigarettes for Asthma Patients, [WITS 2017 Under Review, to be submitted to JAMIA in 2017]

## Publications & Presentations

Ram, S., **Zhang, W.**, Williams, M., Pengetnze, Y., 2015. Predicting Asthma-Related Emergency Department Visits Using Big Data. **IEEE Journal of Biomedical and Health Informatics** 19, 1216–1223.

**Awarded a Meritorious Mention by the Association for Information Systems (AIS) – SIG Health.**

**Zhang, W.**, Ram, S., 2015. A Comprehensive Methodology for Extracting Signal from Social Media Text Using Natural Language Processing and Machine Learning, in: Proceedings of the 25th Workshop on Information Technologies and Systems (**WITS**), Dallas, Texas, USA.

**Zhang, W.**, Ram, S., Burkart, M., Pengetnze, Y., 2016. Extracting Signals from Social Media for Chronic Disease Surveillance, in: Proceedings of the 6th International Conference on Digital Health Conference, **DigitalHealth'16**. **ACM**, Montreal, Quebec, Canada, pp. 79–83.

**Zhang, W.**, Ram, S., Burkart, M., Williams, M., Pengetnze, Y., 2015. Asthma Surveillance Using Social Media Data, in: Social Media in Healthcare, in: Proceedings of the Workshop on Health IT and Economics, **WHITE'15** Washington DC, US.

**Zhang, W.**, Ram, S., 2016. Extracting Signals from Social Media Text with Natural Language Processing, Machine Learning and Domain Adaptation, in: Business Analytics and Text Mining. Presented at the **INFORMS Annual Meeting**, Nashville, USA.

**Zhang, W.**, Ram, S., 2016. Key Conversation Trends and Patterns About Electronic Cigarettes on Social Media, in: Text Mining in Health and Security Analytics. Presented at the **INFORMS Annual Meeting**, Nashville, USA.

Peng, Y., **Zhang, W.**, Kou, G., 2011. A Fuzzy MCDM Based Approach for Hybrid Recommender Systems. Presented at the Chinese Academy of Management Annual Meeting (CAMAM), Chengdu, China. **Best paper award.**

Peng, Y., **Zhang, W.**, Kou, G., 2011. A Hybrid Movie Recommender System. Presented at the Workshop on Information Systems Economics (**WISE**), Shanghai, China.

Peng, Y., **Zhang, W.**, Kou, G., Shi, Y., 2011. Movies Recommenders Systems: Fuzzy Multiple Criteria Decision Making Approach. Presented at the Overseas Chinese Scholars Association in Management Science and Engineering (OCSAMSE), Tianjin, China.

### Honors & Awards

Meritorious Mention	Association for Information Systems (AIS) – SIG Health	2016
National Scholarship	Ministry of Education of the People's Republic of China	2012
Best Paper Award	Chinese Society for Management Modernization	2011

### Teaching

Using & Managing Information System	Instructor: Teacher-Course Evaluation: 4.5 / 5.0	U of A	Summer 2016
Operations Research	Teaching Assistant	UESTC	Spring 2011
Data Mining	Teaching Assistant	UESTC	Fall 2010

### Employment

Research Assistant	INSITE Center, The University of Arizona	08.2013 – Now
Product Engineer	Foxconn Technology Group	07.2007 - 08.2009

### Service

<b>Manuscript Reviewing</b>	Information Systems Research (ISR)
	Management Information Systems Quarterly (MISQ)
	IEEE Transactions on Neural Networks and Learning Systems
	International Journal of Information Technology & Decision Making
	Journal on Data Semantics
<b>Volunteer Experience</b>	International Conference on Information Systems (ICIS)
	Workshop on Information Technology and Systems (WITS)
	International Conference on Information Systems (ICIS)
	IEEE International Conference on Software Engineering and Data Mining (SEDM)
	IEEE International Conference on Information and Interaction Sciences (ICIS)
	Grace Hopper Celebration of Women in Computing

### Professional Memberships

Association for Information Systems (AIS)  
INFORMS

### Skills

Programming:	Python, Java, SQL, JavaScript, HTML
Databases:	MongoDB, MySQL, Oracle SQL* Plus, Neo4j
Data Analysis & Visualization Tools:	Gephi, D3.js, Tableau

Other Skills:

Git, Shell