

HONGYI ZHU

EDUCATION & CERTIFICATIONS

The University of Arizona

Ph.D. Student in Management Information Systems

August 2014 – Current

Minor: Cognitive Science

The University of Arizona

Certificate in College Teaching

December 2017

Tsinghua University

Bachelor of Management

August 2010 – July 2014

Major: Information Management and Information Systems

Minor: Computer Science

TEACHING EXPERIENCE

The University of Arizona

Instructor – MIS 373 “Basics Operations Management”

July 2017 – August 2017

Tsinghua University

Teaching Assistant – “Computer Programming Language”

Spring, 2013

Met with students upon request and graded all assignments

RESEARCH EXPERIENCE

Artificial Intelligence (AI) Lab, The University of Arizona

Research Associate

August 2014 – Current

International Smart Health Center (ISHC), Tsinghua University

Research Fellow

August 2013 – July 2014

Investigated website resources related with diabetes thoroughly. Gathered Chinese diabetes information from portal websites and some health forums. Conducting research on text mining and emoticon extraction

Pactera Technology International Ltd., Beijing, P. R. China

Summer Intern

July 2013 – October 2013

Performed algorithm research and performance analysis of different text sentiment classification algorithms and conducted algorithm experiment; evaluated and processed experiment data

PUBLICATIONS

Samtani, S., Yu, S., **Zhu, H.**, Patton, M., & Chen, H. (Forthcoming). Identifying Supervisory

Control and Data Acquisition (SCADA) Devices and their Vulnerabilities on the Internet of Things (IoT): A Text Mining Approach. IEEE Intelligence Systems.

Zhu, H., Jiang, S., Chen, H., & Roco, M. C. (2017). International perspective on nanotechnology papers, patents, and NSF awards (2000–2016). *Journal of Nanoparticle Research*, 19(11), 370.

Samtani, S., Yu, S., **Zhu, H.**, Patton, M., & Chen, H. (2016, September). Identifying SCADA vulnerabilities using passive and active vulnerability assessment techniques. In *Intelligence and Security Informatics (ISI)*, 2016 IEEE Conference on (pp. 25-30). IEEE.

Maimoon, L., Chuang, J., **Zhu, H.**, Yu, S., Peng, K. S., Prayakarao, R., ... & Chen, H. (2016, December). SilverLink: Developing an International Smart and Connected Home Monitoring System for Senior Care. In *International Conference on Smart Health* (pp. 65-77). Springer, Cham.

Chuang, J., Maimoon, L., Yu, S., **Zhu, H.**, Nybroe, C., Hsiao, O., ... & Chen, H. (2015). SilverLink: Smart Home Health Monitoring for Senior Care. In *Smart Health* (pp. 3-14). Springer.

Yu, S., **Zhu, H.**, Jiang, S., & Chen, H. (2014). Emoticon Analysis for Chinese Health and Fitness Topics. In *Smart Health* (pp. 1-12). Springer.

AWARDS

Comprehensive Scholarship-Hongqian Scholarship, Tsinghua University

2013