

Shuting (Judy) Wang

CONTACT INFORMATION

The Intelligent Information Systems Research Lab
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EDUCATION

08/2012 - Present Ph.D. Candidate
Computer Science and Engineering, Pennsylvania State University
Research Areas: Text Mining, Knowledge Graph Construction and
Natural Language Processing.
Advisor: Dr. C. Lee Giles

08/2008 - 07/2012 Bachelor of Engineering
Software Engineering, Harbin Institute of Technology

WORK EXPERIENCE

06/2015 - 09/2015 Research Intern at HP Labs, 3D&Printing group, Palo Alto, CA
Project: Prerequisite Concept Map based Assessments.
• Construct prerequisite concept map from academic articles and Web knowledge.
• Develop assessment system with automated question generation.

01/2012 - 06/2012 Software Engineer Intern at Baidu, Web Data Mining group, Beijing, China
Project: Web Page Evaluation.
• Analyze large-scale Web data for page evaluation using Hadoop.

08/2011 - 10/2011 Research Intern at Chinese Academy of Science, Beijing, China
Project: Compiler Design for Robot Control Language.
• Implement Compiler for Robot Control Language.

RESEARCH EXPERIENCE

08/2014 - Present BBookX: Automated Book Creation System
• Construct concept map extraction from academic articles and Web knowledge base.
• Extract learning path from textbooks.
• Develop an interactive system that allows users to dynamically create textbooks.

02/2013 - 06/2014 Patent Citation Network Analysis

- Explore technological trends from patent contents and citations.
- Investigate legal aspect of patent citations.
- Patent evaluation using patent citation networks.

PUBLICATIONS

- [1] **Wang, Shuting**, Zhen Lei, and Wang-Chien Lee. Exploring legal patent citations for patent valuation. *CIKM '14*, pages 1379–1388, 2014.
- [2] **Wang, Shuting**, Wang-Chien Lee, Lei Zhen, Xianliang Zhang, and Yu-Hsuan Kuo. Exploring technological trends for patent evaluation. *DSAA '14*, 2014.
- [3] **Wang, Shuting**, Chen Liang, Zhaohui Wu, Kyle Williams, Bart Pursel, Benjamin Brautigam, Sherwyn Saul, Hannah Williams, Kyle Bowen, and C. Giles. Concept hierarchies extraction from textbooks. In *The ACM Symposium on Document Engineering*, 2015.
- [4] Chen Liang, **Wang, Shuting**, Zhaohui Wu, Kyle Williams, Bart Pursel, Benjamin Brautigam, Sherwyn Saul, Hannah Williams, Kyle Bowen, and C. Giles. Bbookx: An automatic book creation framework. In *The ACM Symposium on Document Engineering*, 2015.
- [5] Chen Liang, **Wang, Shuting**, Zhaohui Wu, Kyle Williams, Bart Pursel, Benjamin Brautigam, Sherwyn Saul, Hannah Williams, Kyle Bowen, and C. Giles. Bbookx: Building online open books for personalized learning. In *AAAI*, 2016.

SKILL

Language	Fluent English, Native Mandarin
Programming	Java, Python, C++, SQL, JSP, Shell Script
Operating System	Windows, Linux, Macintosh
Teaching	Teaching Assistant for CMPSC 431W Database Management Systems Teaching Assistant for CMPSC 121 Introduction to Programming Techniques