

CHEN LIANG

CONTACT INFORMATION

College of Information Sciences and Technology
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The Pennsylvania State University
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RESEARCH INTEREST

Information extraction, natural language processing, data mining

EDUCATION

The Pennsylvania State University

August 2013 - present

- Ph.D. candidate, College of Information Sciences and Technology
- Advisor: Prof. C. Lee Giles

Tsinghua University

August 2009 - July 2013

- Bachelor of Engineering, Department of Computer Science and Technology

EXPERIENCE

The Pennsylvania State University

August 2013 - present

Research Assistant at IIS lab

University Park, PA

- Working on natural language processing techniques for automatic book creation.
- Developing *BBookX*, a novel interactive system that allows users to dynamically create course materials.
- Studying methods for measuring prerequisite relations.
- Researched on data mining with MOOC data.

Qatar Computing Research Institute

June 2015 - Aug 2015

Research Intern at Data Analytics Group

Doha, Qatar

- Worked on methods for automatic risk of bias analysis for clinical trials.
- Contributed to developing *Rayyan*, a tool to help systematic review authors perform their job.
- Worked with *Dr. Mourad Ouzzani*.

Tsinghua University

June 2011 - July 2013

Research Assistant at Natural Language Processing Group

Beijing, China

- Researched on topics of natural language processing, which includes but not limited to keyphrase extraction, social tagging and expert finding.
- Worked with *Dr. Maosong Sun* and *Dr. Zhiyuan Liu*.

PUBLICATIONS

- **Chen Liang**, Zhaohui Wu, Wenyi Huang, and C. Lee Giles. Measuring Prerequisite Relations Among Concepts. In *Proceedings of the Conference on Empirical Methods in Natural Language Processing*. (**EMNLP 2015**). Short paper.

- **Chen Liang**, Shuting Wang, Zhaohui Wu, Kyle Williams, Bart Pursel, Benjamin Brautigam, Sherwyn Saul, Hannah Williams, Kyle Bowen, and C. Lee Giles. BBookX: An Automatic Book Creation Framework. In *Proceedings of the 2015 ACM Symposium on Document Engineering*. (**DocEng 2015**).
- Shuting Wang, **Chen Liang**, Zhaohui Wu, Kyle Williams, Bart Pursel, Benjamin Brautigam, Sherwyn Saul, Hannah Williams, Kyle Bowen, and C. Lee Giles. Concept Hierarchy Extraction from Textbooks. In *Proceedings of the 2015 ACM Symposium on Document Engineering*. (**DocEng 2015**).
- Zhaohui Wu, **Chen Liang**, and C. Lee Giles. Storybase: Towards Building a Knowledge Base for News Events. In *Proceedings of 53rd Annual Meeting of the Association for Computational Linguistics*. (**ACL 2015**). Demo paper.
- Wenyi Huang, Zhaohui Wu, **Chen Liang**, Prasenjit Mitra and C. Lee Giles. A Neural Probabilistic Model for Context Based Citation Recommendation. In *Proceedings of Twenty-Ninth AAAI Conference on Artificial Intelligence* (**AAAI 2015**).
- Zhaohui Wu, Wenyi Huang, **Chen Liang** and C. Lee Giles. Crowd-sourcing Web Knowledge for Metadata Extraction. In *Proceedings of ACM/IEEE Joint Conference on Digital Libraries 2014* (**DL 2014**). Short paper.
- **Chen Liang***, Zhiyuan Liu* and Maosong Sun. Expert Finding for Microblog Misinformation Identification. In *Proceedings of the 24th International Conference on Computational Linguistics* (**COLING 2012**). Short paper. (* indicates equal contribution)
- Zhiyuan Liu, **Chen Liang** and Maosong Sun. Topical Word Trigger Model for Keyphrase Extraction. In *Proceedings of the 24th International Conference on Computational Linguistics* (**COLING 2012**).

HONORS AND AWARDS

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| • Excellent Undergraduate, Dept. of Computer Science, Tsinghua University | 2013 |
| • 2nd Prize of Tsinghua Laboratory Contribution Award, Tsinghua University | 2012 |
| • Aeon Scholarship | 2011 |

SKILLS

- Language: English (Fluent), Chinese Mandarin (Native)
- Programming language: Java, Python, C/C++, LaTeX, SQL