Jing Liu

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Biography

I am a Ph.D. student at Harbin Institute of Technology (HIT), China. I participated in the joint Ph.D. program of HIT and Microsoft Research Asia (MSRA) since 2009. I am working as a long-term research intern in the Knowledge Mining Group at MSRA, and I am jointly advised by Prof. Hsiao-Wuen Hon (MSRA & HIT), Dr. Chin-Yew Lin (MSRA) and Prof. Ting Liu (HIT). Before that, I received M.S. degree in Computer Science from HIT under the supervision of Prof. Yu Zhang and Prof. Ting Liu in July 2009. I obtained B.S. degree in Computer Science from Xidian University (XDU) in July 2007.

Research Interests

My research interests are social computing, information extraction and question answering. Recently, my main focus is developing a web-scale people mining system. This project aims to mine user information in online communities by extracting user activities from web pages (i.e. who posted what at where and when) for creating a programmable people repository, linking users across multiple communities and measuring users in terms of different perspectives (e.g. expertise, influence and privacy, etc.) for knowledge mining (e.g. answer quality estimation, question difficulty estimation).

Education

Ph.D. Candidate September 2009 ∼ Present
Department of Computer Science and Technology, **Harbin Institute of Technology**
Supervisor: Prof. Hsiao-Wuen Hon and Prof. Ting Liu

M.S. September 2007 ∼ June 2009
Department of Computer Science and Technology, **Harbin Institute of Technology**
Supervisor: Prof. Yu Zhang and Prof. Ting Liu

B.S. September 2003 ∼ June 2007
Department of Computer Science and Technology, **Xidian University**

Work Experience

Research Intern July 2009 ∼ Present
Knowledge Mining Group, **Microsoft Research Asia**
Mentor: Dr. Chin-Yew Lin

Publications

- **Jing Liu**, Quan Wang, Chin-Yew Lin and Hsiao-Wuen Hon. **Question Difficulty Estimation in Community Question Answering Services**. In *Proceedings of the 2013 Conference on Empirical Methods in Natural Language Processing* (**EMNLP 2013**), Seattle, USA, Pages 85-90. (Short Oral Presentation, Acceptance Rate= $56/233 = 24.0\%$)

- Baichuan Li, **Jing Liu**, Chin-Yew Lin, Irwin King and Michael R. Lyu. **A Hierarchical Entity-based Approach to Structuralize User Generated Content in Social Media: A Case of Yahoo! Answers**. In *Proceedings of the 2013 Conference on Empirical Methods in Natural Language Processing* (**EMNLP 2013**), Seattle, USA, Pages 1521-1532. (Full Oral Presentation, Acceptance Rate= $151/539 = 28.0\%$)

- **Jing Liu**, Fan Zhang, Xinying Song, Young-In Song, Chin-Yew Lin and Hsiao-Wuen Hon. **What's in a Name? An Unsupervised Approach to Link Users across Communities**. In *Proceedings of the 6th ACM international conference on web search and data mining* (**WSDM 2013**), Rome, Italy, Pages 495-504. (Full Oral Presentation, Acceptance Rate= $73/387 = 18.9\%$)

• **Jing Liu**, Xinying Song, Jingtian Jiang and Chin-Yew Lin. **An Unsupervised Method for Author Extraction from Web Pages Containing User-Generated Content**. In *Proceedings of the 21th ACM international conference on Information and knowledge management* (**CIKM 2012**), Maui Hawii, USA, Pages 2387-2390. (Poster Presentation)

• **Jing Liu**, Young-In Song, Chin-Yew Lin. **Competition-based User Expertise Score Estimation**. In *Proceedings of the 34th international ACM SIGIR conference on Research and development in Information* (**SIGIR 2011**), Beijing, China, Pages 425-434. (Full Oral Presentation, Acceptance Rate= $108/545 = 19.8\%$)

• Xinying Song, **Jing Liu**, Yunbo Cao, Chin-Yew Lin, Hsiao-Wuen Hon. **Automatic Extraction of Web Data Records Containing User-Generated Content**. In *Proceedings of the 19th ACM international conference on Information and knowledge management* (**CIKM 2010**), Toronto, Canada, Pages 39-48. (Full Oral Presentation, Acceptance Rate= $127/945 = 13.4\%$)

• Young-In Song, **Jing Liu**, Tetsuya Sakai, Xinjing Wang, Guwen Feng, Yunbo Cao, Hisami Suzuki and Chin-Yew Lin. **Microsoft Research Asia with Redmond at the NTCIR-8 Community QA Pilot Task**. In *Proceedings of 8th NII Test Collection for IR Systems* (**NTCIR 2010**), Tokyo, Japan. Pages 458-465.

Patents
• Young-In Song, **Jing Liu**, Chin-Yew Lin and Tetsuya Sakai. **Question and Answer Forum Techniques**. US Patent. US20130097178 A1. 2013.

• Chin-Yew Lin, Young-In Song and **Jing Liu**. **Estimating Thread Participant Expertise Using A Competition-Based Model**. US Patent. US20130262453 A1. 2013.

Shared Tasks
• NTCIR-8 Community QA Pilot Task. (**Rank 1st** among 13 submissions). 2010

Academic Activities and Services
• February 2013, WSDM'13, Rome, Italy
• October 2012, CIKM'12, Hawii, USA
• July 2011, SIGIR'11, Beijing, China

• Reviewer for ACM Transactions on the Web (TWEB)
• Reviewer for EMNLP 2012, EMNLP 2013, ACL 2014
• Secondary reviewer for CIKM 2010, WWW 2012, SIGIR 2012, SIGIR 2013, WSDM 2014

Awards
• 2013 EMNLP Google Student Travel Grant
• 2013 ACM WSDM Student Travel Grant
• 2012 National Ph.D. Scholarship by Ministry of Education
• 2008 Excellent Student Scholarship of Harbin Institute of Technology
• 2007 Excellent Student Scholarship of Harbin Institute of Technology
• 2006 Excellent Student Scholarship of Xidian University
• 2006 ACM/ICPC Asia Regional Contest, Shanghai Onsite, Bronze Medal

Programming Skills
C++, C#