

# HONGLEI ZHUANG

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## EDUCATION

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**University of Illinois, Urbana-Champaign**  
PhD student in Computer Science

*August 2013 - Present*

**Tsinghua University**  
Bachelor of Engineering in Computer Science and Technology

*August 2009 - July 2013*

## RESEARCH INTERESTS

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Data mining and machine learning  
Outlier detection, social network and influence analysis

**Advisor:** *Professor Jiawei Han*

## EXPERIENCE

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**Data Mining Group, University of Illinois at Urbana Champaign**  
*Research Intern*

*August 2013 - Present*  
*Urbana, IL*

- Working on outlier detection in heterogeneous information networks.
- Studying outlier detection in a query-based framework.
- Advised by *Professor Jiawei Han*.

**LinkedIn**  
*Software Engineer Intern*

*May 2014 - August 2014*  
*Mountain View, CA*

- Worked on active learning algorithm for crowdsourcing.
- Identifying and modeling annotation bias of crowds.
- Active selection of data to avoid annotation bias and improve classifier performance.
- Worked with *Dr. Joel Young* and *Dr. Paul Ogilvie*.

**Knowledge Engineering Group, Tsinghua University**  
*Research Intern*

*September 2010 - July 2013*  
*Beijing, China*

- Focused on research in social network and influence analysis.
- Studied social tie analysis, including social tie prediction and classification.
- Studied social influence analysis, including influence maximization and social influence modeling.
- Participated in development of ArnetMiner system, an academic search engine.
- Advised by *Professor Jie Tang*.

**Department of Computer Science, Cornell University**  
*Research Intern*

*July 2012 - August 2012*  
*Ithaca, NY*

- Worked on theoretical aspects in computing.
- Advised by *Professor John E. Hopcroft*.

## PUBLICATIONS

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- Honglei Zhuang, Aditya Parameswaran, Dan Roth, Jiawei Han. *Debiasing Crowdsourced Batches*. In KDD, 2015.
- Jonathan Kuck, Honglei Zhuang, Xifeng Yan, Hasan Cam, Jiawei Han. *Query-Based Outlier Detection in Heterogeneous Information Networks*. In EDBT, 2015.
- Honglei Zhuang, Joel Young. *Leveraging In-Batch Annotation Bias for Crowdsourced Active Learning*. In WSDM, 2015.
- Honglei Zhuang, Jing Zhang, George Brova, Jie Tang, Hasan Cam, Xifeng Yan and Jiawei Han. *Mining Query-Based Subnetwork Outliers in Heterogeneous Information Networks*. In ICDM, 2014.
- Jing Zhang, Jie Tang, Honglei Zhuang, Cane Wing-Ki Leung, and Juanzi Li. *Role-aware Conformity Influence Modeling and Analysis in Social Networks*. In AAAI, 2014.
- Honglei Zhuang, Yihan Sun, Jie Tang, Jialin Zhang, and Xiaoming Sun. *Influence Maximization in Dynamic Social Networks*. In ICDM, 2013.
- Yang Yang, Jianfei Wang, Yutao Zhang, Wei Chen, Jing Zhang, Honglei Zhuang, Zhilin Yang, Bo Ma, Zhanpeng Fang, Sen Wu, Xiaoxiao Li, Debing Liu, and Jie Tang. *SAE: Social Analytic Engine for Dynamic Networks*. In KDD, 2013. (demo paper)
- Honglei Zhuang, Jie Tang, Wenbin Tang, Tiancheng Lou, Alvin Chin, and Xia Wang. *Actively Learning to Infer Social Ties*. In Data Mining and Knowledge Discovery (DMKD), 2012.
- Honglei Zhuang, Alvin Chin, Sen Wu, Wei Wang, Xia Wang, Jie Tang. *Inferring Geographic Coincidence in Ephemeral Social Networks*. In ECML/PKDD, 2012.
- Wenbin Tang, Honglei Zhuang, and Jie Tang. *Learning to Infer Social Ties in Large Networks*. In ECML/PKDD, 2011. (**Best Student Paper Runner-up**)

## SCHOLARSHIPS AND AWARDS

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- KDD Student Travel Award 2015
- Richard T. Cheng Endowed Fellowship 2013
- Excellent Undergraduate of Tsinghua University 2013
- Excellent Bachelor Thesis of Tsinghua University 2013
- Excellent Undergraduate of Beijing 2013
- Zhong Shimo (SAP) Scholarship (1/137) 2012
- Boeing Scholarship (Only 6 in Tsinghua U) 2012
- China Computer Federation Outstanding Undergraduate Award (Only 3 in Tsinghua U) 2012
- National Scholarship 2011
- Best Student Paper Runner-up in Data Mining of ECML PKDD 2011

## SKILLS

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**Programming Languages** C/C++, Java, Python, MATLAB, L<sup>A</sup>T<sub>E</sub>X