

# Fangbo Tao

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**EDUCATION**     **University of Illinois at Urbana-Champaign, IL**     2012 - 2017 (Expected)  
Ph.D. student, Computer Science  
Advisor: Dr. Jiawei Han

**Tsinghua University**, Beijing, China     2008 - 2012  
Bachelor of Science in Computer Software  
Overall GPA: 91.4/100(Ranking:4/58), Major GPA: 92.5/100(Ranking:1/58)

**PROFESSIONAL EXPERIENCE**     **Microsoft Research**     05/2013 - 08/2013  
*Research Intern*     Bellevue, WA, US

- Developed and shipped the relationship explanation module on Bing.

**University of Illinois at Urbana-Champaign**     05/2012 - present  
*Research Assistant*     Urbana, IL, US

- Large information network construction from text collections
- Online analytical processing framework in heterogeneous information networks

**University of Illinois at Chicago**     06/2011 - 09/2011  
*Research Intern*, Next Generation Data Mining Lab     Chicago, IL, US

- Information diffusion modeling via heterogeneous links in large networks

**Tsinghua University**     08/2010 - 06/2012  
*Research Assistant*, Institute of Information System     Beijing, China

- Social media influence promotion by link recommendation
- Mobile Security Framework based on Wireless Ad-hoc Network

**PUBLICATIONS**     • **F. Tao**, J. Han, H. Ji, G. Brova, C. Wang, A. El-Kishky, J. Liu, X. Ren and Y. Sun, *NewsNetExplorer: Automatic Construction and Exploration of News Information Networks* (system demo) Proc. of 2014 ACM SIGMOD Int. Conf. on Management of Data (SIGMOD'14), Snowbird, UT, June 2014.

• **F. Tao**, K. Lei, J. Han and C. Zhai, *EventCube: Multi-Dimensional Search and Mining of Structured and Text Data* (system demo) Proc. of 2013 ACM SIGKDD Int. Conf. on Knowledge Discovery and Data Mining (KDD'13), Chicago, IL, Aug. 2013.

• M. Danilevsky, C. Wang, **F. Tao**, S. Nguyen, G. Chen, N. Desai, and J. Han, *AMETHYST: A System for Mining and Exploring Topical Hierarchies in Information Networks*, Proc. of 2013 ACM SIGKDD Int. Conf. on Knowledge Discovery and Data Mining (KDD'13), Chicago, IL, Aug. 2013.

• **F. Tao**, X. Yu, K. Lei, Y. Sun, C. Wang, T. Weninger and J. Han, *Research-Insight: Providing Insight on Research By Publication Network Analysis* (demo paper) Proc. of 2013 ACM SIGMOD Int. Conf. on Management of Data (SIGMOD'13), New York, NY, June 2013.

- Z. Peng, C. Wang and **F. Tao**, *SkyBoundary: An improved Approach to Member Promotion in Social Networks*, Proc. of 2011 Int. Conf. on Social Computing and its Applications (SCA'2011), Sydney, Australia, Dec. 2011.

**ENTREPRE-NEURSHIP**      **Co-founder, Kantwait Inc.**      06/2013 - present

- KantWait is an online one-stop shop for local stores and a public transportation system for merchandise.
- Currently a midwestern startup serving more than 1,000 users.

**Co-founder & CTO, Yunying Inc.**      02/2012 - 02/2013

- A full-service Chinese social media data mining company that acquires, analyzes, and provides data for companies looking to pursue targeted and effective social media strategies.

**PART-TIME PROJECTS**      **Credible Mobile Social Media Based on Ad-hoc Network**      2010

- Built a distributed decision system for intrusion detection.
- Optimized the routing algorithm using machine learning algorithms.

**5th Dimension: An Interactive 3D Modeling System**      2009-2011

- Developed to capture the users finger motions and construct 3D objects.
- Self-adjusted model displaying system based on eye position of the user.

**Onyx OS: A Course Platform**      2010

- Developed a macro-kernel operating system which supports multi-tasks, file system, virtual memory and easy-to-use APIs.
- Served as the course platform for *Operating System* in Tsinghua U.

**AWARDS**

- IBM Scholarship (**2 holders in Tsinghua U.**)      2011
- Kaifeng Fellowship (**Best Scholarship in Tsinghua, 10/3,300**)      2011
- Tsinghua University Excellent Student Scholarship      2009, 2010, 2011
- Silver Medal, The Microsoft Imagine Cup China Site (**Rank No. 5**)      2011
- Golden Medal, Beijing Software Design Competition (**Rank No. 1**)      2010
- Bronze Medal, Tsinghua Entrepreneurship Competition      2010
- Bronze Medal, China National Information Security Competition      2010
- Outstanding Member of the Youth League (**28/3,300**)      2009
- National Programming Contest for High School Student, Top Award      2007

**EXTRA-CURRICULAR ACTIVITIES**

**President**, Students Union, School of Software, Tsinghua University  
**Captain**, Refugee Help Team after Sichuan Earthquake  
**Member**, Siyuan Excellent Student Training Program, Tsinghua University  
**Member**, TEC Silicon Valley Entrepreneurial Trip (**25/170**), UIUC

**SKILLS**

**Programming Skills:** C/C++, Java, C# .NET, Python, OpenCV, Matlab  
**Data Related:** MapReduce Framework and Hadoop, HIVE, MySQL, MongoDB  
**Web Related:** HTML, CSS, Javascript, Django, PHP, Node.js, Backbone.js  
**Special:** Leadership, Management, Communication, Business Sense

**References**      Available upon request.