Baoxu "Dash" Shi

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Research Interest

Heterogeneous network analysis, knowledge graph, fact validation, link prediction.

Education

Ph.D. student at University of Notre Dame, Present.

Advisor: Tim Weninger.

B.S. Software Engineering, Nankai University, 2013.

Professional Experience

University of Notre Dame, Department of Computer Science and Engineering

Research Assistant, Tim Weninger, August 2013 – Present.

Teaching Assistant, Web Science and Information Retrieval (CSE40497), Tim Weninger, Spring 2016

Teaching Assistant, Database Concepts (CSE30246), Tim Weninger, Fall 2015

Teaching Assistant, Operating System Principles (CSE30341), Christian Poellabauer, Spring 2014

Teaching Assistant, Mobile Computing (CSE60814), Christian Poellabauer, Fall 2013.

Nankai University, College of Software

Research Assistant, Xudong Li, August 2010–May 2011.

Xinmei 365 Co., Ltd, Beijing

Software Development Engineer, September 2012–Jun 2013

Research

Publication

1. **Shi B.**, and Tim W. Fact Checking in Heterogeneous Information Networks. in *World Wide Web (**WWW**)*, (Montreal, Canada, 2016).
2. **Shi B.**, and Tim W. Scalable Models for Computing Hierarchies in Information Networks. *Knowledge and Information Systems (**KAIS**)*, 2016, 1-31.
3. **Shi B.**, and Tim W. Mining Interesting Meta-Paths from Complex Heterogeneous Information Networks. in *Data Mining Workshop (**ICDMW**)*, (Shenzhen, China, 2014), 488–495
4. Zhang C., **Shi B.**, and Li X. MFS: A Lightweight Block-Level Local Mirror of Remote File System. *Journal of Software*, 8 (6). 1459-1470.

Paper Under Review or Revision

1. **Shi B.**, and Tim W. Forward Backward Similarity Search in Information Networks. Submitted to *TKDE*.

Work in Progress

1. **Shi B.**, and Tim W. Fact Checking in Knowledge Graphs: A Discriminative Meta-Path Mining Approach.

Software

KGMiner, multi-threaded knowledge graph mining software written in C++ (2015). *GitHub repo*.

FBPPR, forward-backward similarity search tool in Spark and C++ (2015).

HDTM, GraphLab based C++ program for personalized hierarchical document topic modeling on large graphs (2014). *GitHub repo*.

MFS, user space network filesystem implementation using FUSE and C (2013). *GitHub repo*.

BrainBurst, generic, turn-based game server written in Node.js (2013).

Conference Presentations

14th IEEE International Conference on Data Mining (ICDM), Shenzhen, China, December 14-17, 2014.

25th International World Wide Web Conference (WWW), Montreal, Canada, April 11-15, 2016.

Professional Activities

Reviewer of *ICML'15*, *NIPS'15*, *KDD'15*, *ICDM'15*, *WSDM'15*, *CIKM'15*, *IJCAI'15 '16*, *RCIS'14*, *AAAI'16*

Awards

Dean's Scholarship, Nankai University, 2009–2013.

Excellent Student Leader, Nankai University, 2010–20111.

Outstanding Volunteer, 2011.

Miscellaneous

Programming Languages: C/C++, R, Python, Scala

Experience: Linux, Distributed system, Multi-threading programming, Vertex programming, Machine learning

Last updated: February 17, 2016