

Baoxu (Dash) Shi

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SUMMARY

- Looking for 2016 Summer Internship
- Specialize in solving large-scale problems in Data Mining and Information Retrieval
- Have research experience with C/C++, Python, R, Scala, MapReduce, and other distributed systems
- Have industry experience with cross department collaboration, C/S API, and Linux system

EDUCATION

University of Notre Dame

Notre Dame, IN

Ph.D. candidate in Computer Science and Engineering

Anticipated May 2018

Nankai University

Tianjin, China

Bachelor of Science in Software Engineering

May 2013

PROFESSIONAL EXPERIENCE

University of Notre Dame Research & Teaching Assistant

August 2013 – Present

- Created a heterogeneous information network mining framework with capacity of billions of nodes and edges and a lock-free concurrent graph modification mechanism
- Invented a fast algorithm to evaluate the veracity of statements using meta path and knowledge graphs; Increased the accuracy performance by 55% comparing to other approaches; Designed an automatic statement reasoning framework
- Ported a small scale PageRank topic modeling system into a distributed, web scale system which can generate a customized hierarchy of entire Wikipedia that akin to human annotated category in hours
- Mentored 150+ undergraduates on their course projects for Mobile Computing and Operating System courses; Developed an automatic grading system to grade program assignments and generate reports

Nankai University Undergraduate Researcher

August 2010 – May 2011

- Designed and implemented a multithreaded, user space network filesystem in C on Linux with multiple read ahead policies and block-level local working set to minimize local cache size

WORK EXPERIENCE

Xinmei365 Co., Ltd Software Development Engineer (Backend)

September 2012 – June 2013

- Managed a wallpaper application server with 200K visitors per day; Designed auto-publishing system to reduce the workload of editors; Reduced average response time by applying load balance technics
- Led and developed a generic, cross platform, round-based multiplayer game server which is similar to Apple's turn-based matches sever using Node.js, WebSocket, and Redis

TECHNICAL EXPERIENCE AND SKILLS

- Contributed to several open source projects including Spark, nghttp2, librdf, etc.
- Experienced in data mining platforms and technics, i.e., Spark, GraphLab, and MapReduce
- Proficient in C/C++, Skilled in Python, R and Scala