Zichen Zhu

PhD student, Boston University

zczhu@bu.edu

https://cs-people.bu.edu/zczhu/

EDUCATION

Boston University   *Sep 2019 – Present*

- PhD student in MiDAS group, Computer Science, Boston University
- Research Interest: Database, Heterogeneous Information Network and Graph Algorithms

Advisor: ***Prof. Manos Athanassoulis***, Assistant Professor of Computer Science at Boston University

Hong Kong University   *Sep 2017 – Aug 2019*

- MPhil in Database group, Computer Science
- *Advisor*: ***Prof. Reynold Cheng***, Professor of Computer Science at the University of Hong Kong

Tsinghua University   *Sep 2013 – July 2017*

- Bachelor of Software Engineering

EXPERIENCE

Data System Laboratory, SEAS, Harvard University, U.S.   *June 2016 – Oct 2016 & July 2018 – Nov 2018*

Advisor: ***Prof. Stratos Idreos***, Assistant Professor of Computer Science at the Harvard John A. Paulson School of Engineering and Applied Sciences

Research Assistant Intern: Derive a more accurate model for lookup cost in Fluid LSM-Tree; Implement & Improve AutoTune in Monkey to optimize configuration parameters in LSM-Tree-based key-value store

Cloud Computing Group, Institute of Trustworthy Networks and Systems, Tsinghua   *Aug 2015 – Jun 2017*

*Advisor: **Zhenhua Li***, Assistant Professor of Cloud Computing Group, Institute of Trustworthy Networks and Systems, Tsinghua University

Research Assistant: Establish the iDashBoard system, a private cloud platform to provide elastic virtual computing service & optimize the offline downloading redirector

Users and Relation Group, Weibo Corporation, China   *May 2017 – Aug 2017*

System Developer Intern: Design & Create a middleware to support RPC and API verification between different platforms, also in charge of offline abnormal behaviors detection and analysis

PAPERS

Evaluating Top-k Meta Path Queries on Large Heterogeneous Information Networks

- *Authors: **Zichen Zhu***, Tsz Nam Chan, Reynold Cheng, Loc Do, Zhipeng Huang, Hoaci Zhang
- IEEE International Conference on Data Mining (ICDM) 2018

Design Continuums and the Path Toward Self-Designing Key-Value Stores that Know and Learn

- ***Authors:*** Stratos Idreos, Niv Dayan, Wilson Qin, Mali Akmanalp, Sophie Hilgard, Andrew Ross, James Lennon, Varun Jain, Harshita Gupta, David Li, ***Zichen Zhu***
- The biennial Conference on Innovative Data Systems Research (CIDR) 2019

AWARDS

- Nomination for Li Ka Shing Awards for Outstanding Research Postgraduate Student in Hong Kong University
- IEEE ICDM 2018 Student Travel Award
- Second prize in National Cloud Computing Application Innovation Contest 2016 (4th Place of 615 groups)
- First prize of Huayu Scholarship in Software department of Tsinghua University in 2016

SKILLS

Programming: C++/C/Python/Java/JavaScript/Erlang/Haskell/; **Web Development**: Django/Flask/CodeIgniter

Database: Oracle/Cassandra/Redis/Bitcask/MySQL; **Distributed**: MapReduce/Spark/Giraph/PregelPlus