Yongzhe Zhang

CONTACT INFORMATION

Programming Rresearch Lab
National Institute of Informatics
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RESEARCH INTERESTS

Distributed Computing, Graph Processing, Functional Programming, Erasure codes

EDUCATION

Shanghai Jiao Tong University, Shanghai, China

MSc in Computer Science and Technology, Sept. 2013 to June 2015

- Graduate Thesis: *TIP-code: A Three Independent Parity Code to Tolerate Triple Disk Failures with Optimal Update Complexity*
- Advisor: Dr. Chentao Wu, Prof. Minyi Guo

BSc in Computer Science and Technology, Sept. 2009 to June 2013

- Dissertation: *Price-oriented Product Recommendation in New Categories*
- Advisor: Prof. Yong Yu

RESEARCH EXPERIENCE

Embedded and Pervasive Computing Center, Shanghai Jiao Tong University Sept. 2013 to Aug. 2015

- Erasure codes and reliable storage systems

Mobile and Sensing Systems Group, Microsoft Research Asia Aug. 2012 to Jan. 2013

- Indoor localization and Windows app analysis

Data and Knowledge Management Lab, Shanghai Jiao Tong University July 2011 to June 2013

- Computer vision and machine learning

PUBLICATIONS

Zirun Zhu, **Yongzhe Zhang**, Hsiang-Shang Ko, Pedro Martines, Joao Saraiva and Zhenjiang Hu. Parsing and Reflective Printing, Bidirectionally. *The 9th International Conference on Software Language Engineering (SLE 2016)*

Yongzhe Zhang, Chentao Wu, Jie Li and Minyi Guo. PCM: A Parity-check Matrix Based Approach to Improve Decoding Performance of XOR-based Erasure Codes. *The 34th International Symposium on Reliable Distributed Systems (SRDS 2015).*

Yongzhe Zhang, Chentao Wu, Jie Li and Minyi Guo. TIP-code: A Three Independent Parity Code to Tolerate Triple Disk Failures with Optimal Update Complexity. *The 45th International Conference on Dependable Systems and Networks (DSN 2015).*

ACHIEVEMENTS

ACM International Collegiate Programming Contest:

- 2nd place of Jakarta Site, 4th place of Chengdu Site (2010)
- 2nd place of Shanghai Site, 4th place of Phuket Site (2009)

TECHNICAL SKILLS

Programming Languages:

- C++, C, python, LaTeX, Haskell, OCaml, Rust

Graph Processing Systems:

- Giraph, Pregel+