Yongzhe Zhang

CONTACT INFORMATION	Programming Research Lab National Institute of Informatics 2-1-2 Hitotsubashi, Chiyoda-ku Tokyo, 101-8430, Japan	*Office Phone:* (03) 4212-2611 *E-mail:* zyz915@nii.ac.jp *Website:* https://zyz915.github.io/

RESEARCH
INTERESTS

Parallel Computing, Graph Processing, Code Generation, Functional Programming

EDUCATION

SOKENDAI (The Graduate University of Advanced Studies), Japan

Ph.D. student in Department of Informatics (Oct. 2015 to present)
- Research Topic: Programming Model for Parallel Graph Processing
- Advisor: Prof. Zhenjiang Hu

Shanghai Jiao Tong University, 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

Programming Research Lab, National Institute of Informatics
Oct. 2015 to present
- Parallel computing, Graph processing

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 2012
- 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'16)*

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'15).*

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'15).*

ACHIEVEMENTS

ACM International Collegiate Programming Contest:
- 2nd place of Jakarta Site, 4th place of Chengdu Site (2010, team: Halo)
- 2nd place of Shanghai Site, 4th place of Phuket Site (2009, team: TriPAL)

Technical
Skills

Programming Languages:
- C++, C, python, Haskell, OCaml, Java

Graph Processing Systems:
- Giraph, Pregel+