

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 | Distributed Computing, Graph Processing, Functional Programming, Erasure codes | |
| EDUCATION | SOKENDAI (The Graduate University of Advanced Studies) , Japan Ph.D. student in Department of Informatics (Oct. 2015 to present) <ul style="list-style-type: none">• Research Topic: Programming Model for Distributed Graph Processing• Advisor: Prof. Zhenjiang Hu Shanghai Jiao Tong University , China MSc in Computer Science and Technology (Sept. 2013 to June 2015) <ul style="list-style-type: none">• Graduate Thesis: <i>TIP-code: A Three Independent Parity Code to Tolerate Triple Disk Failures with Optimal Update Complexity</i>• Advisor: Dr. Chentao Wu, Prof. Minyi Guo BSc in Computer Science and Technology (Sept. 2009 to June 2013) <ul style="list-style-type: none">• Dissertation: <i>Price-oriented Product Recommendation in New Categories</i>• Advisor: Prof. Yong Yu | |
| RESEARCH EXPERIENCE | Programming Research Lab, National Institute of Informatics Oct. 2015 to present <ul style="list-style-type: none">• Distributed computing, Graph processing Embedded and Pervasive Computing Center, Shanghai Jiao Tong University Sept. 2013 to Aug. 2015 <ul style="list-style-type: none">• Erasure codes and reliable storage systems Mobile and Sensing Systems Group, Microsoft Research Asia Aug. 2012 to Jan. 2013 <ul style="list-style-type: none">• Indoor localization and Windows app analysis Data and Knowledge Management Lab, Shanghai Jiao Tong University July 2011 to June 2012 <ul style="list-style-type: none">• 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. <i>The 9th International Conference on Software Language Engineering (SLE'16)</i> 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. <i>The 34th International Symposium on Reliable Distributed Systems (SRDS'15)</i> . 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. <i>The 45th International Conference on Dependable Systems and Networks (DSN'15)</i> . | |
| ACHIEVEMENTS | ACM International Collegiate Programming Contest: <ul style="list-style-type: none">• 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, Rust, Java, Pascal

Graph Processing Systems:

- Giraph, Pregel+