

ZHIHAO ZHANG

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## EDUCATION

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**Xiamen University (XMU)**, Fujian, China

2021–Present

*Ph.D. Student* in Computer Science and Technology

**Xiamen University (XMU)**, Fujian, China

2018–2021

*M.Sc.* in Computer Science and Technology

**Chongqing University of Technology (CQUT)**, Chongqing, China

2014–2018

*B.Sc.* in Communication Engineering

## RESEARCH INTERESTS

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Zhihao Zhang is a Ph.D. student in the Department of Computer Science at School of Informatics, Xiamen University. His research interests include operating and storage systems, with current research focusing on virtualization and Linux block I/O.

## PAPERS

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1. SimiEncode: A Similarity-based Encoding Scheme to Improve Performance and Lifetime of Non-Volatile Main Memory. Suzhen Wu, Jiapeng Wu, Zhirong Shen, Zhihao Zhang, Zuocheng Wang, and Bo Mao. In Proc. of the 39th IEEE International Conference on Computer Design (ICCD'21). October 24-27, 2021. (AR: 60/246 = 24.4%)
2. PAM Hashing: PM-friendly Array-Mapped Hashing with Improved Write and Resizing Efficiency. Zhihao Zhang, Suzhen Wu, Hong Jiang, Zhirong Shen, Bo Mao. Under IPDPS'23 Conference Review. 2022.
3. DADIX: Block-Level Image Service for Agile and Elastic Application Deployment. Zhihao Zhang, Huiba Li, Yiyun Zhang, Yifan Yuan, Rui Du, Kai Ma, Lanzheng Liu, Xiaoxu Li, Windsor Hsu, Yiming Zhang. Under TOS Journal Review. 2022.
4. Diagnosing and Repairing Distributed Routing Configurations via Sequential Program Analysis. Rulan Yang, Qiao Xiang, Lizhao You, Xing Fang, Hanyang Shao, Zhihao Zhang, Qiuyue Qin, Jiwu Shu. Under SIGMETRICS'23 Conference Review. 2022.

## AWARDS

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1. 2022 National Student Computer System Capability Competition, OS Design-OS Function Challenge Track, **First Class** (SwornDisk).
2. 2022 Fall NVIDIA DPU China Hackathon, **Second Class**.