Hong Kong

Zhisheng Hu

huzhisheng.github.io

zshu23@cse.cuhk.edu.hk

GitHub: huzhisheng

EDUCATION

Ph.D. candidate in Computer Science and Engineering   **2023.08 - Present**

The Chinese University of Hong Kong (CUHK)

- **Supervisor:** Ming-Chang Yang

B.Eng. in Computer Science and Technology   **2018.09 - 2022.06**

Harbin Institute of Technology, Shenzhen (HITSZ)

- **Supervisor:** Wen Xia

WORK EXPERIENCE

Research Assistant   **2022.09 - 2023.07**

School of Computer Science, Peking University (PKU)   *Beijing, China*

Research Intern   **2021.12 - 2022.07**

Cloud Storage Innovation Lab of Huawei Cloud   *Shenzhen, China*

- **Mentor:** Pengfei Zuo

PUBLICATIONS

Demeter: A Scalable and Elastic Tiered Memory Solution for Virtualized Cloud via Guest Delegation

*Junliang Hu, **Zhisheng Hu**, Chun-Feng Wu, Ming-Chang Yang.*   *SOSP, 2025*

Aceso: Achieving Efficient Fault Tolerance in Memory-Disaggregated Key-Value Stores

***Zhisheng Hu**, Pengfei Zuo, Yizou Chen, Chao Wang, Junliang Hu, Ming-Chang Yang.*   *SOSP, 2024*

HNFFS: Revisiting the NOR Flash File System

*Yanqi Pan, **Zhisheng Hu**, Nan Zhang, Hao Hu, Wen Xia, et al.*   *NVMSA, 2022*

TEACHING ASSISTANT

- **CSCI 3180** Principles of Programming Language   Spring 2024, CUHK
- **CSCI 2510** Computer Organization   Fall 2023, CUHK
- **PKU 04834200** Compiler Principles   Fall 2022, PKU
- **COMP 3001** Operating Systems   Fall 2021, HITSZ

SELECTED AWARDS

- Outstanding Graduate of HIT   2022.06
- Ricoh Scholarship (sponsored by Ricoh)   2021.12
- First-Class Academic Scholarship   2021.11
- Huawei Smart Pedestal Scholarship (sponsored by Huawei)   2021.11
- National First Prize in China Operating System Design Contest for Undergraduates   2021.08

OTHER

- **Language:** Chinese (native), English (IELTS 7.0)
- **Research Interests:** RDMA, CXL, Distributed System, Storage System, Machine Learning System