GUANZHOU HU

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EDUCATION

University of Wisconsin–Madison   GPA: 4.00 / 4.00   *Aug 2020 - Present*
Ph.D. Candidate, Computer Sciences   *Madison, WI, USA*
- Advisors: Andrea Arpaci-Dusseau and Remzi Arpaci-Dusseau
- Research areas: Distributed storage systems, Replication protocols, Operating systems

Massachusetts Institute of Technology   GPA: 4.00 / 4.00   *Sep 2019 - Jul 2020*
Special Student, Electrical Engineering & Computer Science   *Cambridge, MA, USA*

ShanghaiTech University   GPA: 3.90 / 4.00   *Sep 2016 - Jul 2020*
B. Eng., Computer Science & Technology   *Shanghai, China*
- Honors: President's Scholarship (2017, 2018), Dean's Scholarship (2019)

PUBLICATIONS

In subm. [Title fuzzed] A replication protocol for a new, untreated type of workload. <u>Guanzhou Hu</u> et al.

FAST '23 MadFS: Per-File Virtualization for Userspace Persistent Memory Filesystems. Shawn Zhong, Chenhao Ye, <u>Guanzhou Hu</u>, Suyan Qu, Andrea Arpaci-Dusseau, Remzi Arpaci-Dusseau, Michael Swift.

OSDI '21 Dorylus: Affordable, Scalable, and Accurate GNN Training with Distributed CPU Servers and Serverless Threads. John Thorpe, Yifan Qiao, Jonathan Eyolfson, Shen Teng, <u>Guanzhou Hu</u>, Zhihao Jia, Jinliang Wei, Keval Vora, Ravi Netravali, Miryung Kim, and Guoqing Harry Xu.

FAST '21 The Storage Hierarchy is Not a Hierarchy: Optimizing Caching on Modern Storage Devices with Orthus. Kan Wu, Zhihan Guo, <u>Guanzhou Hu</u>, Kaiwei Tu, Ramnatthan Alagappan, Rathijit Sen, Kwanghyun Park, Andrea C. Arpaci-Dusseau, and Remzi H. Arpaci-Dusseau.

SC '20 BORA: A Bag Optimizer for Robotic Analysis. Jian Zhang, Tao Xie, Yuzhuo Jing, Yanjie Song, <u>Guanzhou Hu</u>, Si Chen, and Shu Yin.

Patent A Storage System Management Policy Based on Data Content Locality. Yin, Shu. and <u>Hu, Guanzhou</u>. 2019. CN. Patent number ZL 2019 1 0499391.9, licensed November 25, 2022.

WORK EXPERIENCE

Applied Scientist Intern in Cloud Storage Systems & Automated Reasoning   *May 2024 - Aug 2024*
Amazon S3 Team, Amazon Web Services   Manager: James Bornholt   *Seattle, WA, USA*

TEACHING EXPERIENCE

Teaching Assistant in Operating Syst. & Computer Arch.   *Aug 2020 - May 2021*
Department of Computer Sciences, UW–Madison   *Madison, WI, USA*

Teaching Assistant in Operating Syst., Computer Arch., & Discrete Math.   *Mar 2018 - Apr 2019*
School of Information Science & Technology, ShanghaiTech University   *Shanghai, China*

PRIZES & AWARDS

- Outstanding Research Award, CSST Program Summer Research Intern, UCLA   *Sep 2019*
- Second Prize, ASC Supercomputing Competition (GeekPie_HPC team leader)   *Mar 2019*
- Outstanding Teaching Assistant Award, ShanghaiTech University   *Jan 2019*
- Meritorious Winner, Mathematical Contest in Modelling (MCM)   *Apr 2018*

SERVICES

- OSDI '24 & ATC '24 Artifact Evaluation Committee   *May 2024*
- FAST '22 External Reviewer   *Oct 2021*

SKILLS

- Programming: Systems programming, Rust, C/C++, Go, Java, SQL, Python, Julia, Shell scripts, x86 asm
- Others: Systems modeling, Kernel development, Linux dev/ops, Cloud platforms, ML pipeline, TLA^+, Dafny