GUANZHOU HU

EDUCATION

EDUCATI	ON		
University of Wisconsin–Madison Ph.D. Candidate, ADSL, Computer Sciences		GPA: 4.00 / 4.00	Aug 2020 - Present Madison, WI, USA
	ors: Prof. Andrea Arpaci-Dusseau and Prof. Remzi Arpaci-D arch area: Distributed Systems, Fault-tolerance, Operating Sy		rastructure
Massacl Special S	nusetts Institute of Technology Student, Electrical Engineering & Computer Science	GPA: 4.00 / 4.00	Sep 2019 - Jul 2020 Cambridge, MA, USA
	rs: Overseas Study Scholarship (2019)		
B. Eng.,	aiTech University Computer Science & Technology rs: President's Scholarship (2017, 2018), Dean's Scholarship (2018), Dean's Scholarship (2017, 2018), Dean's Scholars	GPA: 3.90 / 4.00 2019)	Sep 2016 - Jul 2020 Shanghai, China
PUBLICA	TIONS		
In subm.	[Title fuzzed] Effective coordination for cloud databases. Fi	irst Author and <u>G. Hu</u> et	al.
In subm.	[Title fuzzed] A consensus protocol achieving remarkably strong read semantics. <u>G. Hu</u> et al.		
In subm.	[Title fuzzed] A replication protocol for an unaddressed type of workloads. <u>G. Hu</u> et al.		
FAST '23	MadFS: Per-File Virtualization for Userspace Persistent Memory Filesystems. S. Zhong, C. Ye, <u>G. Hu</u> , S. Qu, A. Arpaci-Dusseau, R. Arpaci-Dusseau, M. Swift.		
OSDI '21	Dorylus: Affordable, Scalable, and Accurate GNN Training with Distributed CPUs and Serverless Threads. J. Thorpe, Y. Qiao, J. Eyolfson, S. Teng, <u>G. Hu</u> , Z. Jia, J. Wei, K. Vora, R. Netravali, M. Kim, and G. Xu.		
FAST '21	The Storage Hierarchy is Not a Hierarchy: Optimizing Caching on Modern Storage Devices with Orthus. K. Wu, Z. Guo, <u>G. Hu</u> , K. Tu, R. Alagappan, R. Sen, K. Park, A. Arpaci-Dusseau, and R. Arpaci-Dusseau.		
SC '20	BORA: A Bag Optimizer for Robotic Analysis. J. Zhang, T. Xie, Y. Jing, Y. Song, <u>G. Hu</u> , S. Chen, and S. Yin.		
Preprint	A Unified and Practical Summary of Non-transactional Consistency Levels in Distributed Replication. <u>G. Hu</u> , A. Arpaci-Dusseau, R. Arpaci-Dusseau. arXiv 2024.		
Preprint	Foreactor: Exploiting Storage I/O Parallelism with Explicit <u>G. Hu</u> , A. Arpaci-Dusseau, R. Arpaci-Dusseau. arXiv 2024.		
Patent	A Storage System Management Policy Based on Data Cont S. Yin and <u>G. Hu</u> . 2019. CN. Patent number ZL 2019 1 049		er 25, 2022.
WORK EX	XPERIENCE		
	l Scientist Intern in Amazon S3 Team, Amazon Web S gers: James Bornholt, Andrew Warfield	ervices	May 2024 - Aug 2024 Seattle, WA, USA
	: Cloud Storage Systems & Automated Reasoning, Cloud Sto	orage for AI Workloads	
Research Intern in SOLAR Lab, CSST Program, UCLA			Jun 2019 - Sep 2019
	ors: John Thorpe, Prof. Guoqing Harry Xu : Affordable & Scalable Serverless ML Training Systems (awa	arded Outstanding Resear	Los Angeles, CA, USA rch)
TEACHIN	G EXPERIENCE		
Teachin	g Assistant at UW–Madison	Fa	2020, Sp 2021, Sp 2025
	ses: Computer Architecture, Operating Systems, Advanced D	istributed Systems	Madison, WI, USA
	g Assistant at ShanghaiTech University	-	2018, Fa 2018, Sp 2019
• Cours	ses: Discrete Math, Computer Architecture, Operating System	ns (awarded Outstanding	(TA) Shanghai, China
SERVICES	S & AWARDS		
• ACM	Student Member & ACM SIGOPS Member		Sep 2021 - Present
• FAST	'25 Artifact Evaluation Committee		Dec 2024
• Inform	nation & Computation Journal Reviewer		Nov 2024
	'24 Artifact Evaluation Committee		Sep 2024
	'24 & USENIX ATC '24 Artifact Evaluation Committee		May 2024
	23 Student Travel Grant		Feb 2023
	' '22 External Reviewer Supercomputing Competition Second Bring (CashBig UDC to	am laadar)	Oct 2021
• ASC	Supercomputing Competition Second Prize (GeekPie_HPC te	am leader)	Mar 2019

SKILLS

• Programming: System programming, Rust, Go, C/C++, Java, Python, Julia, SQL, TLA⁺, Dafny, asm, shell, async

• General: Cloud compute & storage, AI/ML pipeline, Systems/protocols design & impl., Kernel dev., Linux dev/ops