Junliang Hu 胡俊良
Curriculum Vitae

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Education

present	**Doctor of Philosophy Candidate** (Computer Science and Engineering), The Chinese University of Hong Kong, *Advised by Prof. Ming-Chang Yang*
2017-2021	**Bachelor of Engineering** (Computer Science and Engineering), Wuhan University

Teaching Experiences

Spring 2023	**Principles of Programming Languages**, *Teaching Assistant*, CUHK, CSCI3180
Fall 2023	**Computer Organization**, *Teaching Assistant*, CUHK, CSCI2510
Spring 2022	**Computer Networks**, *Teaching Assistant*, CUHK, CSCI4430
Fall 2021	**Computer Organization**, *Teaching Assistant*, CUHK CSCI2510

Professional Experiences

2025-2026	**Visiting Scholar**, *Tiered Memory Systems*, Virginia Tech, Blacksburg, VA, Hosted by Prof. Huaicheng Li
Spring-Summer 2021	**Research Assistant**, *Persistent Memory Indexing*, The Chinese University of Hong Kong, Advised by Prof. Ming-Chang Yang
Summer 2020	**Software Engineering Intern**, *Elastic Block Storage*, Alibaba Cloud, Hangzhou, China

Scholarships & Awards

2025	**Student Scholarship and Travel Grant** (SOSP '25: ACM SIGOPS 31st Symposium on Operating Systems Principles), Seoul, Republic of Korea, *amount: US$1,000*
2023-2026	**CUHK Postgraduate Studentship Post-Candidacy** (Department of Computer Science and Engineering), Hong Kong, *amount: HK$19,275.00 per month*
2024	**CUHK Research Postgraduate Student Grants for Overseas Academic Activities** (OSDI '23: 17th USENIX Symposium on Operating Systems Design and Implementation), Boston, MA, USA, *amount: HK$19,510.00*
2021-2023	**CUHK Postgraduate Studentship** (Department of Computer Science and Engineering), Hong Kong, *amount: HK$18,025.00 per month*

Publications

[1] **Junliang Hu**, Zhisheng Hu, Chun-Feng Wu, and Ming-Chang Yang. 2025. Demeter: A Scalable and Elastic Tiered Memory Solution for Virtualized Cloud via Guest Delegation. In *31st Symposium on Operating Systems Principles (SOSP '25)*, 2025. ACM, New York, NY, USA. https://doi.org/10.1145/3731569.3764801

[2] Zhisheng Hu, Pengfei Zuo, Yizou Chen, Chao Wang, **Junliang Hu**, and Ming-Chang Yang. 2024. Aceso: Achieving Efficient Fault Tolerance in Memory-Disaggregated Key-Value Stores. In *ACM SIGOPS 30th*

Symposium on Operating Systems Principles (SOSP '24), 2024. ACM, New York, NY, USA. https://doi.org/10.1145/3694715.3695951

[3] Chao Wang, **Junliang Hu**, Tsun-Yu Yang, Yuhong Liang, and Ming-Chang Yang. 2024. SEPH: Scalable, Efficient, and Predictable Hashing on Persistent Memory. In *17th USENIX Symposium on Operating Systems Design and Implementation (OSDI '23)*, 2024. USENIX Association.

Academic Services

FAST	USENIX Conference on File and Storage Technologies, External-reviewer: 2026
SOSP	ACM SIGOPS Symposium on Operating Systems Principles, External-reviewer: 2025
EuroSys	European Conference on Computer Systems, Artifact Evaluation Committe: 2024
ATC	USENIX Annual Technical Conference, External-reviewer: 2024, 2025
HPCA	International Symposium on High-Performance Computer Architecture, External-reviewer: 2024, 2025
DAC	Design Automation Conference, External-reviewer: 2021
ICCAD	International Conference on Computer-Aided Design, External-reviewer: 2021, 2022
CODES+ISSS	International Conference on Hardware/Software Codesign and System Synthesis, External-reviewer: 2022, 2023
RTAS	IEEE Real-Time and Embedded Technology and Applications Symposium, External-reviewer: 2021

Professional Skills

	Skill	Level	Comment
Computer languages	C/C++	■■■■	Main launguage used in several past projects
	Rust	■■■□	Complementary language professionally and also for fun
	Go	■■□□	Used in amateur projects
	Python	■■■□	Experience with building productivity tooling
	Bash/Fish	■■■□	Daily driver
	Typst	■■■□	Experience with publications; Typst packages contributer
	LaTex	■□□□	Complementary language for paper writing
Languages	Mandarin	■■■■	Native tongue
	Cantonese	■□□□	Good listening
	English	■■■□	Full score in TOEFL reading and listening sections, fluent in speech and writing

■□□□ Basic knowledge   ■■■□ Extensive knowledge

■■□□ Intermediate knowledge   ■■■■ Expert knowledge