

SITE FAN

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EDUCATION	Northeastern University <i>Ph.D. in Computer Science</i>	Boston, MA, USA 2026 - Present
	Southern University of Science and Technology (SUSTech) <i>B.Eng. in Computer Science and Technology</i>	Shenzhen, China 2021 - 2025
PUBLICATIONS	- Yi Chen, Site Fan, Rishika Varma Kalidindi, Po-Yu Hou, Maizhe Zhang, Peng Huang. LiteLib: Containing Failure Impact for Stateful Applications with Compact Replicas. <i>23rd USENIX Symposium on Networked Systems Design and Implementation</i>, May 2026. [One-shot Revision in NSDI'26] - Haibin Lai, Sicheng Zhou, Site Fan, Zhuozhao Li. ParaCOSM: Parallel Framework for Accelerating Continuous Subgraph Matching. <i>54th International Conference on Parallel Processing (ICPP)</i>, Sep 2025. [Paper] [Presentation] [Code]	
RESEARCH	Research Intern at HPC Lab, SUSTech Advised by Prof. Zhuozhao Li	Shenzhen, China 2024/08–2025/04
	- Developed ParaCOSM, a parallel framework that accelerates existing CSM algorithms on multi-core CPUs. - Designed inner-update parallelism for fine-grained task decomposition and balanced search on large query graphs. - Implemented a safe-update mechanism enabling concurrent update verification while preserving correctness. - Achieved 1.2×–30.2× speedups, up to 100× faster update handling, and higher success rates on large queries.	
	Research Intern at Order Lab, University of Michigan Advised by Prof. Ryan Huang	Ann Arbor, United States 2024/03–2024/08
	- Designed and implemented mechanisms for compact replicas that preserve only critical state and core operations to maintain bounded service continuity during failures. - Built transparent state maintenance and failover support that enables seamless switching to compact replicas while logging updates for post-recovery replay. - Integrated into 5 production-scale datacenter applications; achieved 50× faster recovery, 50%+ request serving during failures, and prevented cascading/metastable failures with only 2% code size.	
TEACHING	Teaching Assistant Advanced Computer Program Design	2024/09 – 2025/01
	Led lab sessions and designed assignments on C, C++, and Rust for systems and high-performance programming.	
	Teaching Assistant C/C++ Program Design	2023/09 – 2024/01
	Led lab sessions and designed quizzes, assignments, and programming projects in C/C++.	
AWARDS AND HONORS	Top 10 Undergraduate Graduates, SUSTech 2025 National Scholarship, SUSTech (9 out of 4000) 2023 School Motto <i>Truth</i> Series Scholarship, SUSTech (3 out of 4000) 2023	