Weihai Shen

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Research interests

Distributed systems, multi-core systems, fault-tolerance

Education

Stony Brook University   Stony Brook, NY
PhD in Computer Science   Aug. 2020 – Present
Mentors: Professor Shuai Mu

Arizona State University   Tempe, AZ
Master in Computer Science   2018 – 2020
Mentors: Professor Ross Maciejewski. *GPA: 3.89/4.0*

Nanjing University of Posts and Telecommunications   Nanjing, Jiangsu
Bachelor in Geographic Information System   2010 – 2014

Publications

Rolis: a software approach to efficiently replicating multi-core transactions
Weihai Shen, Ansh Khanna, Sebastian Angel, Siddhartha Sen, and Shuai Mu.
In Proceedings of ACM European Conference on Computer Systems (EuroSys), April 2022.

Intern experience

ByteDance, Infrastructure System Lab   Mountain View, CA
Research Intern   May 2021 – Aug 2021
Implemented memory allocation & memory tracking for the next generation database system.

Industry experience

ByteDance, User growth team & Data team   Beijing, Beijing
Software Development Engineer & Data Engineer   June 2016 – June 2018
Implemented different models and strategies to boost user growth; built a real-time big data analysis platform that can provide users real-time statistical information on a large scale.

Baidu, Knowledge search team   Beijing, Beijing
Software Development Engineer   June 2016 – June 2017
Built a big-data tool to analyze the performance of the iterative product; implemented iterative development on a daily basis according to needs.

Ganji, Real estate team   Beijing, Beijing
Software Development Engineer   July 2014 – April 2015

Optimized the website's SEO; implemented iterative development on a daily basis according to needs.

Teaching experience	**Teaching Assistant, Stony Brook University**	Fall 2020
	ISE 305: Database Design and Practice	
	Teaching Assistant, Stony Brook University	Spring 2021
	CSE 320: Systems Fundamentals II	