

Haoyu Li

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Education

2018 – Present	Shanghai Jiao Tong University	M.E. Student
Major: Software Engineering	GPA: 3.9 / 4.0	Advisor: Prof. Haibo Chen
Research Interests: Java Virtual Machine and Non-Volatile Memory		
2013 - 2018	Shanghai Jiao Tong University	B.E.
Major: Software Engineering	GPA: 3.6 / 4.3	Advisor: Prof. Binyu Zang
Thesis: A Scalable Garbage Collector Design and Implementation on Multicore		

Research Experience

2016.07 - Present **Institute of Parallel and Distributed Systems, SJTU**

- Platinum: A Garbage Collector for Both Throughput and Latency
- ScissorGC: Scalable and Efficient Compaction for Java Full Garbage Collection
- Espresso: Brewing Java for More Non-Volatility with Non-volatile Memory
- JOS: An Exo Kernel from MIT 6.828 Operating System Course Labs
- Tiger Compiler: A Compiler that Compiles Tiger Language to Assembly Language

Publications

[VEE'19] Li H, Wu M, Zang B, Chen H. ScissorGC: Scalable and Efficient Compaction for Java Full Garbage Collection. Proceedings of the Fifteenth ACM SIGPLAN/SIGOPS International Conference on Virtual Execution Environments.

[APSys'18] Li H, Wu M, Chen H. Analysis and Optimizations of Java Full Garbage Collection. Proceedings of the Ninth Asia-Pacific Workshop on Systems. (Best Paper Runner Up)

[ASPLOS'18] Wu M, Zhao Z, Li H, et al. Espresso: Brewing Java for More Non-Volatility with Non-volatile Memory. Proceedings of the Twenty-Third International Conference on Architectural Support for Programming Languages and Operating Systems.

Awards

2019.09	National Scholarship
2018.06	Shanghai Jiao Tong University Excellent Graduate
2017.11	Xin Dong Network Inc. Scholarship
2016 - 2017.11	National Encouragement Scholarship
2015 - 2017.11	Shanghai Jiao Tong University Third Academic Scholarship

Work Experience

2019.02 - 2019.07	Teaching Assistant of Operating System
2018.12 - 2019.12	Student Intern at System Software Department of Alibaba Inc.
2018.09 - 2019.01	Teaching Assistant of Principle and Technology of Compiler
2017.10	Volunteer in Symposium on Operating Systems Principles 2017
2014.09 - 2015.06	Cofounder and President of Martial Arts Association in SJTU