Baodi Shan

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Biography Baodi Shan is a Ph.D. student at Stony Brook University. His advisor is Dr.Barbara Chapman. His research interests include High Performance Computing, Big Data System and Parallel Computing.

🎓 Education

Aug. 2021 –Jun. 2026(Expected)	**Ph.D.**, Computer Science, *Stony Brook University*, Stony Brook
Sept. 2017 –Jun. 2021	**B.Eng.**, Computer Science and Technology, *Shandong University*, Qingdao

📖 Publications

Baodi Shan, Aabid Shamji, Jiannan Tian, Guanpeng Li, Dingwen Tao. LCFI : A Fault Injector for Studying Lossy Compression Error Propagation in HPC Programs International Workshop on Big Data Reduction(Held by IEEE Big Data 2020)

</> Experiences

May 2021
Feb. 2021
Wechat Group(WXG), Tencent Co., iOS Developer Internship
> Participate in the development of WeChat and OpenSDK.

Dec. 2020
June. 2020
HiPDAC, Washington State University, Research Internship
> Lead the work of LCFI(LCFI is a **L**ossy **C**ompression **F**ault **I**njection tool based on LLVM.), implement the model and conducted all the experiments independently. A research paper has been accepted by IWBDR,a workshop held by Big Data'20.

Present
Sept. 2020
Numerical Computing Course, Shandong University, Teaching Assistant
> Assisted students in research experiments with Python.
> Graded students' assignments and experiment reports.

May. 2020
May. 2019
Institute of Intelligent Computing, Shanodong University, Research Assistant
> Do research related to blockchain technology, i.e. Bitcoin and Ethereum
> Use fuzzing technology to dissect ponzi smart contract with Python and Go-Ethereum on Linux

June. 2020
Feb. 2020
Big Data Management and Analysis Course, Shandong University, Teaching Assistant
> Assisted students in research experiments with Hadoop & MapReduce.
> Graded students' assignments and experiment reports.

Jan. 2020
Sept. 2019
Data Structure and Algorithm Course, Shandong University, Teaching Assistant
> Graded students' assignments and experiment reports.
> Led a group of teaching assistants in building an automatic online judge platform for data structure course called DS-Judge, which has then been used by the whole school.

July. 2019
July. 2019
Shandong University 5th Visual Computing Summer School, Qingdao, Excellent Camper
> Led a research team to study Dobot (a robotic arm) and leap motion (a computer hardware sensor device that supports hand and finger motions as input).
> Used leap motion to detect hand and finger motions and made the Dobot act as our hand

☰ Skills

Programming :	Python, C/C++, OpenMP, OpenACC, Linux, MySQL, MapReduce, Data Structures and Algorithms, Data Visualization with Ecarts.js or D3.js
Language :	TOEFL iBT : 94 & 102(best-score), GRE : 149+168+3.5, TOEFL ITP Plus : 600, CET-6 : 552

🏆 Honors and Awards

2020,2018	University Scholarship, Shandong University
2020	Shandong University Outstanding Student Cadre
2019	Scholarship for Academic Excellence, Shandong University
2019	Excellent Participant, Shandong University 5th Visual Computing Summer School
2014	3rd Place, National Olympiad in Informatics in Provinces(Shandong District)