

Service Statement

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I take service as an essential and valuable part of my academic responsibilities. In this statement, I listed below my service activities in the systems research professional community (§1), the campus (§2), and the broader community (§3).

1 Professional Service

Professional service to the systems research community has been my focus on service goals as an assistant professor. Since joining Stony Brook, I have served on the program committee of top systems conferences such as SOSp and NSDI, and have been a referee for journals such as IEEE TPDS. Serving in these roles has allowed me to develop valuable skills in program committee management, paper review, and fostering collaboration within the systems research community.

1.1 Conference Program Committee

I have served or will serve on the following conference/workshop technical program committees:

1. The ACM European Conference on Computer Systems (EuroSys) 2025
2. Workshop on Foundations and Applications of Blockchain (FAB) 2024
3. The ACM Symposium on Operating Systems Principles (SOSP) 2024
4. The USENIX Conference on Annual Technical Conference (ATC) 2024
5. The ACM Conference on Applications, Technologies, Architectures, and Protocols for Computer Communication (SIGCOMM) 2023
6. The USENIX Conference on Networked Systems Design and Implementation (NSDI) 2023
7. The IEEE International Conference on Distributed Computing Systems (ICDCS) 2023
8. Workshop on Principles and Practice of Consistency for Distributed Data (PaPoC) 2023
9. The ACM ChinaSys Workshop on Computer Systems (ChinaSys) 2022
10. The ACM International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS) 2022
11. The USENIX Conference on Networked Systems Design and Implementation (NSDI) 2021
12. The ACM Asia-Pacific Workshop on Systems (APSys) 2021
13. The USENIX Conference on Annual Technical Conference (ATC) 2020
14. The ACM Asia-Pacific Workshop on Systems (APSys) 2020
15. The ACM Asia-Pacific Workshop on Systems (APSys) 2019

1.2 External Reviewer

I have served as an external reviewer for these conferences:

1. The ACM Symposium on Principles of Distributed Computing (PODC) 2024
2. The USENIX Conference on Networked Systems Design and Implementation (NSDI) 2017
3. The ACM European Conference on Computer Systems (EuroSys) 2015
4. The ACM Symposium on Cloud Computing (SoCC) 2015

1.3 Journal Referee

I have served as a referee for these journals:

1. IEEE Transactions on Parallel and Distributed Systems (TPDS) 2021
2. Distributed Computing (DC) 2020
3. IEEE Transactions on Parallel and Distributed Systems (TPDS) 2020
4. Communications of the ACM (CACM) 2019
5. IEEE Transactions on Parallel and Distributed Systems (TPDS) 2018

1.4 Proposal Review Panels

I served on the NSF Review Panel (CNS SMALL 2020). I also served as a reviewer for SUNY OVPR (2024).

2 Campus Service

My contribution to the campus service is primarily at the CS department level. I have served different roles in activities in the department including graduation admission, faculty recruiting, curriculum, events such as graduate research day, etc. I also organized a seminar for graduate students in the past year. The CS department has a flexible and relatively easy requirement on the service load for assistant professors. Thanks to this, I was able to put my primary focus on the service to my professional community as an assistant professor. In the future, I expect to take more roles for the university and department service. I look forward to taking the director role in more undergrad and graduate activities and finding more committees that I can join and contribute my expertise in systems research and education.

2.1 Graduate Admission Committee

Since joining SBU, I have been a member of the CS Ph.D. and M.S. Admission Committee. Computer Science receives a large number of applications, and hence the review process is demanding. As part of the committee, I review and evaluate about 30-50 applications for MS students and 20-40 applications for PhD students every year, including both Spring and Fall semesters.

2.2 Student Thesis Committee

Student Thesis Committees Ph.D. students at SBU pass the Research Proficiency Exam (RPE) to move forward to candidacy, followed by defending their thesis proposal, and eventually their thesis. The RPE, proposal defense, and thesis defense each requires a committee of 3-5 faculty. A similar committee is also required for M.S. student thesis defense. Since joining SBU in 2019 Spring, I have served on:

1. Thesis defense committee of 2 Ph.D. students, including 1 UPenn Ph.D.
2. Thesis proposal committee of 2 Ph.D. students.
3. RPE committee of 4 Ph.D. students.
4. M.S. thesis committee of 2 students, including 1 UIUC student.

2.3 Faculty Hiring

I have actively participated in our faculty search and recruiting in the systems line. I have helped for several times screen the systems faculty candidates and search for candidates we are interested in. I organized visits for three of the faculty applicants. Since I joined Stony Brook, we successfully hired 4 professors in the systems line.

2.4 Other Service

I have contributed to another services on the campus, including giving a presentation of the systems research overview in CS Graduate Student Orientation, giving CSE 600 talks, serving as a reviewer for the Graduate Research Day, etc.

3 Service to the Broader Community

My contributions to the broader community are three-folded. First, I participate in outreach program and diversity activities. Since I join SBU, I have mentored 4 high school students through SBU's CSIRE summer program. I also mentored 2 undergraduate through SBU-BNL's summer program. I mentored 1 student in SBU's BSMS program. 3 out of the 7 students are female students. Second, the artifacts in my research are released open-source to the community. Rococo, a sharded data store, has been used by follow-up research by Shanghai Jiaotong University. Janus, a replicated data store, has been used by follow-up research conducted by Hongkong University and Shanghai Jiaotong University. Third, I have been connecting my research to industry. I have collaborated on two industry products with Microsoft and MongoDB. The works are published in USENIX ATC and USENIX NSDI respectively.