

## **Service Statement**

Xu Liu

I state my service from two aspects: service to the college and service to my professional fields.

### **Service to the college and department**

I have served on a number of committees, such as Graduate Admission Committee, Graduate Curriculum Committee, Faculty Search Committee, System Committee, and Colloquium Committee in the Department of Computer Science at College of William and Mary. Participating in these committees, I can contribute my knowledge to addressing departmental issues. For example, the Graduate Admission Committee needs to handle a large number of applications from China. As I obtained my B.S. and M.S. degrees in China, I am able to initially tell whether the applicants have good backgrounds from the colleges they graduated, the research group they joined, and coursework they took. To further understand a student, I usually give him/her a call or send an email to his/her advisor to help the committee determine whether an offer should be extended to this applicant. Thus, my contribution can help the graduate committee recruit graduate students with high quality. At the same time, I am able to screen all the applicants and recruit Ph.D. students into my group. All in all, I believe my efforts on serving on these committees can mutually benefit the department development and increase my visibility in the department.

At the college level, I served as a session chair for 2015 Graduate Research Symposium. I also encouraged my Ph.D. students to submit their recent work to the symposiums. I enjoyed participating in this college-wide research activity because we can demonstrate our state-of-the-art research and seek the interdisciplinary collaboration with other departments. Moreover, I served as freshmen advisor for seven freshmen in 2016, three freshmen in 2017, and five freshmen in 2018. I enjoy this experience and believe this program is important to help freshmen get used to the college life.

### **Service to my research field**

To establish my own research identity in the field of compiler and parallel computing, I consistently serve on the program committee of top conferences, workshops, and grant panels. The complete list of the program committees and grant panels can be found in my CV. Putting efforts in these academic service greatly increases the visibility of my research group. Moreover, serving as a grant panelist helps me understand how to write a good proposal. With this experience, I was able to win two NSF grants. In the meanwhile, my professional service can also benefit the development of my research fields, such as compilers, parallel computing, and high-performance computing. As I

contribute my expertise to judge other people's work, I am able to guarantee that my professional fields remain relevant, scientifically competitive, and rigorous.

In the future, I'll be serving on more program committees of top conferences. I believe putting efforts in judging others' work is critically important for both myself and the research community.