

INTERNSHIPS

BLUE WATERS STUDENT INTERNSHIP PROGRAM

Blue Waters is one of the world's most powerful supercomputers, capable of performing quadrillions of calculations every second to tackle challenges in astrophysics, chemistry, biology and biomedicine, atmospheric science, and many other fields of research.



To help prepare the next generation of supercomputing researchers, the Blue Waters project offers paid internships to undergraduate students across the country.

- Interns participate in a two-week hands-on workshop in late May 2016 introducing them to the basics of high-performance computing
- After the workshop, each intern works with a mentor and pursues a petascale computing R&D project over the course of the year
- Each intern receives a stipend of \$5,000

To be eligible, you must be enrolled as an undergraduate student through spring 2017 at a U.S. accredited, degree-granting institution.

APPLY FOR AN INTERNSHIP

To see available internship projects and to apply, visit shodor.org/petascale/participation/internships/. Note that the application allows you to identify a specific faculty mentor; students who have taken the initiative to arrange an internship with a faculty member are more likely to be selected for this program.

Applications must be submitted by Feb. 1, 2016, and notifications will be made by March 1, 2016.

Interns will participate in the two-week Petascale Institute in late May 2016 at the University of Illinois at Urbana-Champaign, home to the Blue Waters supercomputer. Students are expected to begin their projects after the workshop and to work full time during the summer, continuing the projects as their schedules allow during the academic year.

Interns must submit a final paper or poster on their project; select interns will present their projects at the 2017 Blue Waters Symposium, which brings together the scientists, engineers, and scholars from diverse fields who use Blue Waters to advance their research. Internships will conclude by May 31, 2017.

VOLUNTEER AS A MENTOR

Are you a faculty member who would like to mentor an undergraduate intern in a year-long project about the use of high-performance computing to address problems in the sciences, engineering, or mathematics?

Go to shodor.org/petascale/participation/internships/ and post a description of the internship project you would like to supervise by Feb. 15, 2016. Please indicate whether the internship is intended for a particular student or is open to all qualified applicants.

Notification will be made by March 1, 2016. Students will begin their projects after the two-week workshop; interns are expected to work full time over the summer and as their schedules allow during the academic year.

For complete information on the internship program, visit shodor.org/petascale/participation/internships/.