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 intensive Petascale Institute in late May / early June 2018 to learn the basics of high-performance computing.
- After the institute, each intern works with a mentor and pursues a petascale computing research project over the course of the year.
- Each intern receives a stipend of $5,000 and access to Blue Waters.

To be eligible, you must be enrolled as an undergraduate through spring 2019 at a U.S. accredited, degree-granting institution.

APPLY FOR AN INTERNSHIP

To see available internship projects and to apply, visit http://computationalscience.org/bwsip. Note 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. 2, 2018, and notifications will be made by Feb. 15, 2018. Members of groups traditionally underrepresented in STEM are strongly encouraged to apply.

Interns will participate in the two-week Petascale Institute in late May / early June 2018 at the University of Illinois at Urbana-Champaign, home to the Blue Waters supercomputer. Students are expected to begin their projects after the institute and work full time during the summer, continuing to work up to eight hours per week during the academic year.

Select interns will present posters at the 2019 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, 2019.

VOLUNTEER AS A MENTOR

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

Go to http://computationalscience.org/bwsip and post a description of the internship project you would like to supervise by Jan. 15, 2018. Please indicate whether the internship is intended for a particular student or is open to all qualified applicants.

Notifications will be made by Feb. 15, 2018. Students will begin their projects after the two-week Petascale Institute; interns are expected to work full time over the summer and up to eight hours per week during the academic year.

For complete information on the internship program, visit http://computationalscience.org/bwsip

NCSA

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