

BLUE WATERS

Student Internship Program



As part of the Blue Waters efforts to motivate and train the next generation of supercomputing researchers, the program is sponsoring 20 research interns in 2015. The goal is to engage undergraduate students in petascale computing research and development projects. The program provides each student a stipend totaling \$5000, a two-week intensive high-performance computing workshop, and travel to The Blue Waters Symposium 2016.

This program includes support for undergraduate internship activities at any accredited degree granting institution in the United States. The internships awarded through this program may be for students working with a faculty mentor on their home campus, or at another campus. Interested faculty can work with a particular student that they identify or may select a qualified student with Blue Waters support through our program.

Additional information about the program is available at - <https://bluewaters.ncsa.illinois.edu/internships>, and at - <http://shodor.org/petascale/participation/internships/>.

Students Interested in Applying

<http://www.shodor.org/petascale/participation/internships>

Eligibility:

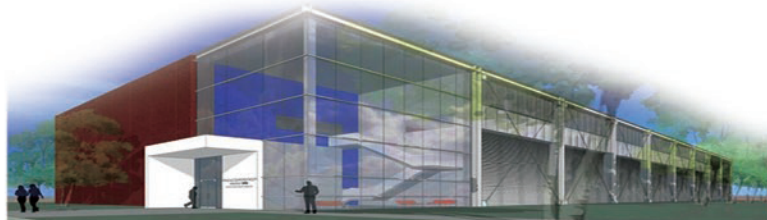
This program is open to undergraduate students interested in participating in a year-long science or engineering internship. Students must be enrolled as undergraduates through Spring 2016 at a U.S. degree-granting institution. Beginning graduate students who have a research advisor are eligible to apply to attend the Petascale Institute and will have their expenses covered by the program; any stipend would be the responsibility of their own research advisor.

Dates:

- Applications must be submitted by mid-March, 2015
- Notifications will be made by mid-April, 2015
- The two-week Petascale Institute will take place at the National Center for Supercomputing Applications at the University of Illinois at Urbana Champaign in early June 2015
- Research is expected to begin over the summer months with continued work during the school year
- Interns will present their projects and results at the Blue Waters Symposium in 2016
- A final paper submitted to the Journal of Computational Science Education by May 31, 2016
- Internships will conclude by May 31, 2016

How to Apply:

Eligible students are invited to submit an application for consideration at the link provided above. There is an area on the forms where students can identify a faculty member as a mentor. Students who have taken the initiative to arrange an internship with a faculty mentor are more likely to be selected for this program than students who have not.



Faculty Interested in Mentoring

<http://www.shodor.org/petascale/participation/internships>

Eligibility:

Faculty who would like to mentor an undergraduate student in a year-long internship that involves teaching or researching the use of high-performance computing in studying problems in the sciences, engineering, or mathematics.

Dates:

- Intern position descriptions must be submitted by April 1, 2015
- Notifications will be made by April 15, 2015
- Student work on the internship will begin after the Petascale Institute concludes
- Students will work full-time over the summer and as schedules allow during the academic year
- Students are expected to submit a paper or prepare a poster on their project for presentation at the Blue Waters Symposium in 2016

How to Participate:

Faculty should create descriptions of undergraduate internship positions they have available through our website (at the link shown above), indicating either that the position is intended for a particular student applicant, or that it is open to qualified applicants.