

# SUMMER RESEARCH JOBS FOR SOPHOMORES MAJORING IN PHYSICS OR ASTRONOMY

We are seeking talented students interested in joining our Undergraduate Research Team in theoretical astrophysics and general relativity. The research will focus on forefront problems requiring supercomputer calculations and visualization for solution. Topics of current interest include the inspiral and merger of binaries containing black holes, neutron stars and/or white dwarfs, the generation of gravitational waves detectable by LIGO/VIRGO and LISA, gamma-ray burst sources, and black hole formation by stellar collapse. Students will work collaboratively in a closely supervised team. It is expected that the research will continue into the following academic year and beyond.

Students wishing to learn more about the program are encouraged to attend an

**ORIENTATION MEETING BY ZOOM  
THURSDAY, FEBRUARY 25, 2021  
4:30 PM**

Interested students should email Brandy Shier ([bshier@illinois.edu](mailto:bshier@illinois.edu)) for a zoom invitation to the meeting. Candidates must then submit an application consisting of a resume' containing a description of education and any background, skills (especially computing), and/or experiences that might be useful for participation in this program, a statement of interest and an unofficial UIUC transcript showing all courses and grades (including courses currently enrolled in). The application instructions and web site will be given at the meeting. Applications must be submitted by **Thursday, March 11, 2021**.