

Carnegie Mellon University

NSF REU IN PHYSICS AND ARTIFICIAL INTELLIGENCE

Application Deadline:
February 1, 2025

Program Duration:
May 27 - July 19, 2025

PROGRAM WEBSITE:

www.cmu.edu/ai-physics-institute



Carnegie Mellon University
Mellon College of Science | **Physics**

Department of Physics
Carnegie Mellon University
5000 Forbes Avenue, Pittsburgh, PA 15213
Phone: (412)-268-2740

PROGRAM FEATURES:

Triple Mentorship

Students will receive mentorship from a graduate student, postdoc and faculty member.

Vibrant Physics & AI Groups

Students can work on projects applying AI to physics problems ranging from the smallest subatomic scales to the largest cosmological scales. Examples of projects include analyzing galaxies from the Dark Energy Spectroscopic Instrument, hunting for the Higgs Boson at the Large Hadron Collider, and learning the laws of cellular biophysics by using machine learning.

Generous Support

Students will receive a generous stipend during their time in the program, and expenses such as travel and accomodation will be paid.

Pittsburgh Experience

Students will have an active social environment that will include current graduate students from biological sciences, chemistry, mathematical sciences and physics. Additionally, students will have outings to local Pittsburgh events and landmarks.

