

MACH CENTER

A Summer Undergraduate Research Internship

The MACH Center will host 3 undergraduates in a 10-week, paid (\$600 per week) summer research experience with mentors from University of Colorado, Boulder, University of New Hampshire, University of California, Los Angeles, and Sonoma State University. Potential projects involve studying the influence of magnetic fields on the ability of planets like Venus, Earth, or Mars to retain an atmosphere, including projects that study ion outflow. Students will work with faculty at a partnering University, not at the University where each selected student is currently enrolled.

May 23 to July 29, 2022

If you are interested in applying for this opportunity, please submit the required information using the online form: <https://mach-center.org/apply> by **April 11**. Selections will be made by April 25.

1. A **resume**, which includes your GPA and relevant science, technology, engineering and mathematics courses
2. Responses to the following questions.
 - Tell us about yourself (Personal statement)
 - How will this opportunity help you in your educational goals?
 - Describe a time when you have shown grit.
 - Do you have past research experience?
 - Tell us your relevant upper level courses.
 - What programming experience do you have?

Eligibility Criteria: Students must be starting their junior or senior years in the Fall of 2022, a U.S. Citizen, and from a MACH Center University partner. (*Partnering Universities: University of Colorado, Boulder, working in partnership with University of California, Los Angeles, University of Kansas, University of New Hampshire, and Sonoma State University.*)

The Magnetic fields, Atmospheres, and the Connection to Habitability DRIVE Science Center (MACH Center) will determine whether a global magnetic field is essential for a planet to retain a habitable atmosphere.

DO HABITABLE WORLDS REQUIRE MAGNETIC FIELDS?

