Title: Research Assistant, Junior

Work Location: Home and Mt. San Antonio College (Mt SAC) Campus
Employee Type: Temporary/Part-Time; hours are flexible, approx. 20 hours/week
Job Type: Science Support Staff
Education: Must be an undergraduate student.
Travel: No
Desired Start Date: on or about 7/5/2022
Salary: $18.00/hour

Post Date: 6/2022
Contact Information: PSI Human Resources, Email: hr@psi.edu

Summary Job Description:
The Planetary Science Institute (PSI) is currently seeking an undergraduate student to investigate the 185nm absorption feature present on the icy satellites of Saturn. The student will run a composition model of water-ice to retrieve the characteristics of (band depth and width) of the 185 nm absorption feature.

Responsibilities will include:
• Perform composition modeling of the ultraviolet spectrum of the icy satellites of Saturn to fit a pure water-ice spectrum to the data
• Measure and map the 185nm absorption band characteristics, including its width and depth
• Perform statistical analysis of the results
• Write and edits materials for publication and presentation
• Meets with supervisor on a regular basis to maintain ongoing communication regarding the progress of the work

The skills, knowledge, and minimum qualifications required for this position are as follows:
• Independent, self-motivated student capable of self-guided programming
• Experience with computing related to physical sciences or willingness to learn computing
• Ability to learn new software and research techniques as needed
• Capable of reading and synthesizing scientific research
• Be enrolled in an Introduction to Astronomy course this semester or in the past 2 years

Note: Management may assign or reassign duties and responsibilities to this job at any time.

To apply for the position:
If you are interested in applying for this position and you meet the required qualifications for the opening, please submit the following documents to hr@psi.edu:
• A cover letter that addresses your interest and qualifications for this position.
• Resume
• Completed Application and Voluntary Self-Identification form (can be found on www.psi.edu where this position is posted or by sending a request to hr@psi.edu).

PSI is an Equal Opportunity/Affirmative Action employer. All qualified applicants will receive consideration for employment without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or status as a protected veteran, or any other characteristic protected by law.