



Title: Research Assistant, Junior

Work Location: University of Texas Rio Grande Valley area

Employee Type: Temporary/Part-Time; hours are flexible – 10 hours/week

Duration of Assignment: 30 weeks

Job Type: Science Support Staff

Education: Must be an undergraduate student.

Travel: No

Desired Start Date: 9/13/2021

Salary: \$18.00/hour

Post Date: 8/2021

Contact Information: PSI Human Resources, Email: hr@psi.edu

Summary Job Description:

The Planetary Science Institute (PSI) is currently seeking an undergraduate student to assist with a variety of tasks which include preparing resources and materials for the research, documenting and presenting results, generating new algorithms for maintaining and processing data, synthesizing background information, and handling numerical models related to physical science. The research project is intended to provide the opportunity to learn proper research procedures and techniques, and expand the students experience with physical science-based programming.

Responsibilities will include:

- Write and document original algorithms for processing and maintaining output and input data for numerical models
- Synthesize background information and create data files to act as boundary condition for numerical models
- Perform calibration tests for and debug preexisting numerical models with the intent to provide insight into model improvements
- Writes 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 and a strong physical sciences background
- Experience working with data and data formatting
- Ability to learn new software and research techniques as needed
- Capable of reading and synthesizing scientific research

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.