



Title: Computer Software Programmer

Location: Tucson, AZ

Employee Type: Full-Time

Hours Per Week: 40

Overtime: No

Appointment Period: One year

Travel: No

Relocation Covered: No

Desired Start Date: ASAP

Annual Salary: Up to \$60,000, depending upon experience

Benefits: medical and dental insurance, life insurance, disability, retirement plan, plus more

PSI will not sponsor applicants for work visas.

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

Summary Job Description:

The Planetary Science Institute (PSI) is seeking to hire a software programmer to work with PSI's archiving team that manages NASA's Planetary Data System's (PDS) Asteroid and Dust Subnode. The subnode handles all aspects of the archiving and long-term distribution of asteroid and dust data, typically derived from NASA, NSF or foreign space missions and research programs. The primary focus of the programming position is to improve the stability and access of the on-line data archive.

Key responsibilities:

- Develop Java, JavaScript, python and shell script programs to support data processing.
- Support basic IT functions, such as installing and configuring web-based applications.
- Develop custom web-based applications to support scientists that generate research data. Develop specialized search tools and web-interfaces to improve the access to the archived research data.
- Support the evolution of PDS4 standards (see <https://pds.nasa.gov/pds4/about/>).

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

Required Qualifications:

- Strong programming skills with experience in object oriented techniques.
- Proficiency in Java.
- Good understanding of client-server communications, unix and basic IT tasks.
- Familiarity with TomCat, Struts and Angular is desired.

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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 or by sending a request to hr@psi.edu).

Planetary Science Institute
Human Resources
1700 E. Ft. Lowell Rd., Suite 106
Tucson, AZ 85719
Email: hr@psi.edu

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

The Planetary Science Institute is a private, nonprofit 501(c)(3) corporation dedicated to Solar System exploration. It is headquartered in Tucson, Arizona, where it was founded in 1972. PSI scientists and educators are involved in numerous NASA and international missions, the study of Mars and other planets, the Moon, asteroids, comets, interplanetary dust, impact physics, the origin of the solar system, extra-solar planet formation, dynamics, the rise of life, and other areas of research. They conduct fieldwork on all continents of the Earth. They are also actively involved in science education and public outreach through school programs, children's books, popular science books and art. Today, PSI is the largest non-governmental employer of planetary scientists in the world. PSI scientists and educators are based in 23 states and the District of Columbia, as well as Australia, Canada, France, Germany, Ireland, Latvia, Russia, Serbia, South Africa, Switzerland, Taiwan and the United Kingdom. As of 2015, 44% of PSI Principal Investigators are women. In 2014, PSI was ranked 20th in the nation for workplace efficiency and flexibility among US corporations by the Families and Work Institute and the Society for Human Resource Management.

PSI provides an excellent benefits package which includes retirement, medical, dental, life, short- and long-term disability plans for qualified employees who work at least half-time. Please view the PSI website for more information: www.psi.edu.