



**Title: Junior Applications Developer**

Location: Tucson, AZ

Employee Type: Part-Time

Hours Per Week: When school is in session 10-12; Summer up to 40

Overtime: No

Travel: No

Relocation Covered: No

Desired Start Date: As soon as possible

Rate of Pay: \$15.00-\$18.00/hour DOE

**PSI will not sponsor applicants for work visas.**

Post Date: Starting 6/5/2017

Contact Information: PSI Human Resources, Email: [hr@psi.edu](mailto:hr@psi.edu)

**Summary Job Description:**

The Planetary Science Institute (PSI) is seeking to hire a programmer to work on new and existing software that supports the mission of the Institute and its researchers. Projects will include web applications, server and desktop applications, and possibly mobile applications. Some non-programming but still technical duties may be assigned when necessary.

**Key responsibilities:**

- Support and enhance existing web-based applications.
- Design and build new applications.
- Look for programmatic improvements in existing workflows.
- Assist with supporting content management system (Drupal).
- Assist with database (MySQL, MariaDB, PostgreSQL) support.
- Maintain source code repository.

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

**Required Qualifications:**

- Passion for web design, programming, and an appreciation for science.
- Good understanding of Drupal, HTML5/CSS, Javascript.
- Best practices in web design (UI/UX).
- Strong programming skills with a solid familiarity in PHP or Python, Java and MySQL/MariaDB.
- Basic understanding of centralized authentication systems (e.g. LDAP, Active Directory).
- Some networking knowledge.
- Linux.
- Have some code testing techniques.
- Skills with source code version control desired.
- Key attributes for any applicant are willingness to learn and work both independently and as part of a team.
- Sophomore and Junior college students preferred.

**Must be able to perform essential physical, mental and environmental conditions of the job:**

- Mobility: frequent use of keyboard and mouse; frequent sitting for long periods of time.
- Physical: may need to carry and lift equipment up to 50 pounds and push or pull equipment on a hand truck or cart of up to 100 pounds. It may be necessary to bend, kneel, and reach to connect and disconnect equipment. It may be necessary to handle objects to build computer racks and shelves. Some tasks may require the use of a foot stool or step ladder.
- Vision: constant use of overall vision; frequent reading and close-up work; frequent color and occasional depth vision.
- Dexterity: frequent repetitive motion.
- Hearing/Talking: frequent hearing and talking, in-person and on the phone.
- Emotional/Psychological: frequent decision-making and concentration; frequent independent work and learning; frequent coordination of tasks with other co-workers; occasional off-hours responsibilities; may on occasion need to speak to groups.
- Reading/Comprehension: frequent interpretation and understanding of written (print and electronic) technical documentation, reports, web research results and user requests.
- Environmental: periodic exposure to noise and cold in server room.

**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](mailto: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](http://www.psi.edu) or by sending a request to [hr@psi.edu](mailto:hr@psi.edu)).

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

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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](http://www.psi.edu).