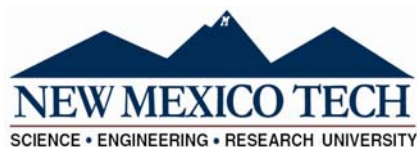


Posted: April 8, 2022



POSITION ANNOUNCEMENT

TITLE: STAFF SCIENTIST/SOFTWARE ENGINEER

DEPT: IRIS/PASSCAL

REG

TEMP

FULL TIME

PART TIME

STARTING RATE or SALARY RANGE \$50,960-\$63,700

Employees being promoted to a higher classified position receive the minimum for the position or a pay rate adjustment of 8% whichever is greater.

All regular positions also entitle the employee to several benefits including health, dental, vision, life insurance, and retirement which is largely paid by New Mexico Tech for the employee and dependents.

INTERNAL POSTING THROUGH: April 19, 2022* CONSIDERATION WILL BE GIVEN FIRST TO TEMPORARY AND REGULAR TECH EMPLOYEES WHO APPLY WITHIN THE 7 DAY INTERNAL POSTING. APPLICATIONS RECEIVED AFTER THE 7 DAY POSTING MARGIN WILL BE CONSIDERED WITH OTHER OUTSIDE APPLICANTS.

JOB DUTIES:

The software engineer's core responsibility is to develop and maintain software that is used on or to facilitate seismological experiments. IRIS PASSCAL software includes tools to: interface with seismic data loggers, test equipment, convert between data formats, analyze state-of-health information, manage inventory and maintenance, and schedule equipment. The software engineer will also be responsible for providing user support to both PASSCAL staff and the IRIS community. The software engineer will have opportunities to conduct training and do seismological fieldwork.

REQUIRED QUALIFICATIONS:

Bachelor's degree required area of study, Science or Engineering. Demonstrated programming ability required. Understanding of Computer Architecture, Operating Systems, and Data Structures required. Working knowledge of Python required. Working knowledge of functional and object oriented programming required. Participated in source code and design reviews desired. Familiar with UI toolkits and frameworks desired. Experience with Revision Control Systems e.g Git desired. Experience with TDD desired. Experience with continuous integration and continuous development desired. Familiarly with software packaging and distribution e.g. Conda & Pip desired. Seismological or Geophysical field experience desired.

Apply to: New Mexico Tech, Human Resources 801 Leroy Pl. Brown Hall Box 053, Socorro, NM 87801-4796