Scientific Software Developer- Contract Basis

NumFOCUS is seeking a Scientific Software Developer to support the SunPy project. SunPy is a Python-based open source scientific software package supporting solar physics data analysis. Contract is available for U.S. residents only. This is a 1-year contract but work may be completed in less time.

The successful applicant will work to improve SunPy's functionality. There are four main tasks:

Report on the state of the SunPy codebase by analyzing output from code coverage and API inspection tools, etc, identifying areas in the existing codebase that need more coverage, can be consolidated or removed.

Provide the ability to read spectroscopic data into a spectral data object, thereby enabling its later scientific analysis.

Implement a number of heliophysical coordinate systems using the existing SunPy and Astropy-based coordinate system framework.

Create example code snippets that use SunPy and packages from the Python in Heliophysics Community; these examples will be shared via the Python in Heliophysics Community.

The successful applicant will be expected to adhere to the SunPy and Python in Heliophysics community guidelines.

Required Experience:

1-2 years scientific Python software development.

Desired Experience:

Python in a scientific environment
Software version control systems (e.g. Git/GitHub).
 Astrophysics research
SunPy, Astropy

Education:

Bachelor's degree in Physical Sciences, Computer Science, or Engineering.

Compensation:

$80.00 per hour, not to exceed $51,000 for the duration of the contract (approximately 637 hours).

**How to Apply:**
Please email your resume to hiring@numfocus.org with the subject line "SunPy Scientific Software Developer"