You are looking for an employer you can count on? Join us!

Python Expert for User Support on HPC Systems (f/m/d)

Your Role and Responsibilities:

- Testing and benchmarking python
    - parallelization concepts for HPC systems
    - Acceleration python applications with GPUs
- Provisioning of a python software stack on HPC systems
    - Secure and license conformant
    - Easy to use
    - Support for different tools:
      pip, conda flavors, SPACK, containers
- Python user support
    - Organizing python courses for HPC users
    - User documentation, best practices, FAQ
    - Working on python related user tickets

Basic Qualifications:

- Experienced python programmer for scientific applications
- Experience with HPC environments (module system, SLURM, etc.)
- Using python in parallel environments
- Communicating your knowledge to others (courses, supporting students)
- Fluent English language skills

Preferred Qualifications:

- Experience with Jupyter
- Experience with Julia
- Interfacing python with other high-level languages (C, C++, …)
- Using python in workflow tools for throughput computations
- Using python with GPUs
- German language skills

Area	High Performance Computing
Working time	full time (40 hrs) / part-time possible flexible working model with electronic time recording

Term of the contract	24 months, a further employment is intended
Remuneration	up to E 13, see Entgelttabelle TV-L
Annual leave / compensatory time off	30 days (24.12. + 31.12. additionally day off) Overtime is compensated by additional time off
Further trainings	Individual support for in-service training and further education
Mobile work	up to 60% of work time, when applicable
Benefits	e.g. bus and subway (U6) on the doorstep, free parking, pension plan of the Versorgungsanstalt des Bundes und der Länder (VBL), state-of-the-art work equipment

What can you find with us?

Are you looking for a multifaceted and intellectually stimulating position in a dynamic, cooperative and innovative work environment? Then LRZ is the place to be for you! Here at LRZ a collegial, appreciative work environment meets an international crowd of experts who work together to advance IT services for ground-breaking research. We offer flexible work schemes for an optimal work-life balance. Our staff values their creative leeway. As an institute of the Bavarian Academy of Science and Humanities we offer all the benefits of public service. And of course, no wishes remain unfulfilled at the LRZ in terms of technical equipment. We share experiences, constantly review and improve our processes, and are proud that our service-quality and data-security are regularly certified and rated highly.

We actively promote diversity and welcome applications from talented individuals, regardless of cultural background, nationality, ethnicity, gender and sexual identity, physical abilities, religion and age. We give priority to applications from people with disabilities who are equally qualified (SGB IX).

The LRZ in a nutshell:
Since 1962, Bavarian universities and research institutions have relied on the IT expertise of the Leibniz Supercomputing Centre of the Bavarian Academy of Sciences and Humanities. When it comes to the digital transformation of science, we are traditionally ahead of the game.

We are looking forward to receiving your complete application documents (including cover letter, CV and certificates) in a PDF file (other file types are not accepted) by latest **20.03.2025**.

Subject: **HPC Python (2025/12)**

Are you unsure whether the job suits you or you suit us? Or do you still have questions about this position? Our colleagues will be happy to answer all your questions.

This job does not fit? Then take a look at https://www.lrz.de/wir/stellen/ or send us an unsolicited application!

Here you will find information about the collection of personal data during the application process.