![GWDG - Gesellschaft für wissenschaftliche Datenverarbeitung mbH Göttingen](logo)

Job vacancy
No. 20221014

The GWDG is looking for two prospective

DevOps Engineers for Deep Learning (m/f/d)

to support the AI Service Center for Sensitive and Critical Infrastructures (KISSKI) in the Computing working group "Computing" (AG C), with a regular working week of 39 hours. Remuneration is in accordance with the collective agreement for the public service (federal government); depending on qualifications, grouping is provided up to pay group TVöD E 13. The positions are suitable for part-time work and are initially limited to two years. The GWDG strives for a long-term cooperation. If interested, there is the possibility of a doctorate.

The Gesellschaft für wissenschaftliche Datenverarbeitung mbH Göttingen (GWDG) is a joint institution of the Georg-August-Universität Göttingen and the Max Planck Society. It fulfills the function of a computing and IT competence center for the Max Planck Society and the university computing center for the University of Göttingen. Its scientific research tasks are in the field of applied computer science. It also promotes the training of specialists in information technology.

In 2020, the University of Göttingen and the GWDG became one of eight computing centers in the National Supercomputing Network (NHR) and operates the HLRN-IV system "Emmy", one of the most powerful computers in the world. Furthermore, the Campus Institute Data Science (CIDAS) was founded in Göttingen, which promotes research and teaching in the field of data science across the entire campus.

From November 2022, the GWDG will be involved in the joint project KISSKI.

Subject area

The goal of KISSKI is research on AI methods and their provision for sensitive and critical infrastructures with a focus on the fields of medicine and energy. To participate in KISSKI, we are looking for two dedicated employees with a demonstrated interest in the areas of AI, machine learning, and operation of the infrastructure and services required for this purpose. Would you like to contribute to the integration of high-performance computing and deep learning, work in an interdisciplinary manner, and optimize machine learning models for maximum performance in the HPC domain? Then apply!

Responsibilities

- Investigation of the scalability of different algorithms in machine learning on HPC systems and their optimization
- Research methods for safe and scalable AI training and time-critical inference
- Research methods for scalable data management for AI applications
- Development of novel services in the area of the project
- Operation of services and infrastructure for AI applications
- Develop workshops at the intersection of HPC and machine learning
- Advising users on the topic of AI / machine learning and the use of HPC systems

Requirements

- Completed university studies or comparable qualification with relevant professional experience
- Experience applying AI methods to science, particularly medicine or energy
- Theoretical knowledge in machine learning / deep learning / AI
- Linux knowledge
- Experience in the use of HPC systems
- Good programming skills (preferably in Python)
- Experience with DevOps methods is desirable
- Good analytical thinking skills
- Independent, structured and systematic way of working
- Strong teamwork and communication skills
- Very good knowledge of German and English, both written and spoken

Our offer

- Flexible working hours and the possibility of mobile working
- A modern, diverse and exceptional work environment with close proximity to science and research at the intersection of several innovative technology sectors
- Cooperation in a competent and committed team
- Support in the qualification and further development of your skills
- Social benefits of the public service

The GWDG strives for gender equity and diversity and therefore welcomes applications from any background. The GWDG strives to employ more severely disabled people. Applications from severely disabled persons are expressly encouraged.

Have we aroused your interest? Then please send us your application **by 16.11.2022** via our online form at https://s-lotus.gwdg.de/gwdgdb/agc/20221014.nsf/bewerbung.

Prof. Dr. Julian Kunkel (e-mail: julian.kunkel@gwdg.de) will be happy to answer any questions regarding the advertised positions.