As part of the German government's artificial intelligence (AI) strategy, the successful Saxon competence center ScaDS.AI Dresden/Leipzig (Center for Scalable Data Analytics and Artificial Intelligence) is being expanded into a leading German AI competence center for Big Data and Artificial Intelligence. TUD embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

At the Center for Interdisciplinary Digital Sciences (CIDS), the Center for Scalable Data Analytics and Artificial Intelligence (ScaDS.AI Dresden) offers 5 positions as teaching assistants / tutors (m/f/x) (8-16 hrs./week) for the Master-level lecture “Behind the Secrets of Large Language Models” (WS 2024/25)

by Prof. Färber and Prof. Razniewski. Contracts may last 6 months with an option of extension. The course provides a deep and practical approach into the trending topic of large language models (LLMs), such as ChatGPT. In the lab sessions, students will use the university's high performance computing (HPC) clusters to train, deploy, prompt, and evaluate recent open-source LLMs.

Responsibilities:

- Prepare and teach programming lab sessions (“Übungen”)
- Assist in the preparation of lecture sessions
- Assist in course and exam design, including grading

Required qualifications:

- Solid Python programming skills,
- Interest in the technical aspects of LLMs.

Nice-to-have qualifications:

- Experience with Deep Learning frameworks (e.g., Pytorch)
- Experience in working with the university's HPC cluster
- Theoretical understanding of concepts around LLMs (i.e., Natural Language Processing and Machine Learning).
- Experience with training and deployment of LLMs, including Machine Learning models in general.
- Pedagogic experience, e.g., via previous lab teaching experience

Please send your application, including a CV and a short cover letter, and stating the job title “ScaDS.AI SecretLLM”, as a single PDF document to michael.faerber@tu-dresden.de and to scads.ai@tu-dresden.de by July 31, 2024. You can use the website https://securemail.tu-dresden.de to send your application securely by email.

The period of employment is governed by the WissZeitVG as well as the SächsHSG in conjunction with the TdL guidelines for Student Assistants and Research Assistants dated February 28, 2024. TU Dresden strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified family-friendly university and offers a Dual Career Service. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment.

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: https://tudresden.de/karriere/datenschutzhinweis.