Technische Universität Berlin

Technische Universität Berlin offers an open position:

Research Assistant - salary grade E13 TV-L Berliner Hochschulen

part-time employment may be possible

The Konrad Zuse School of Excellence in Learning and Intelligent Systems (ELIZA) is a graduate school in the field of artificial intelligence (AI) funded by the German Academic Exchange Service (DAAD). ELIZA's research and training activities focus on four main topics: the basics of machine learning (ML) — including ML-driven fields like computer vision, NLP, or robot learning —, machine learning systems, applications in autonomous systems, as well as trans-disciplinary applications for machine learning in other scientific fields, from life sciences to physics.

The graduate school offers students a combination of excellent, research-based education at the Master's and doctoral level, supervision provided by internationally renowned mentors from both academia and industry, and networking opportunities across different sites. Coordinated by TU Darmstadt, ELIZA brings together research institutes from seven German cities. They work together under the umbrella of the European Laboratory for Learning and Intelligent Systems (ELLIS), Europe's leading academic network for machine learning-focused AI.

The two positions are part of the ELIZA Graduate School and will be filled at TU Berlin in the Machine Learning research group headed by Prof. Müller. The positions will be co-supervised by Prof. Noé (FU Berlin).

Faculty IV - Institute of Software Engineering and Theoretical Computer Science / Machine Learning
Reference number: IV-170/25 (starting at the earliest possible / until 31/12/27 / closing date for applications 30/05/25)

Working field:

The projects will focus on foundational research and current challenges in AI, ML and intelligent data analysis, including the development of novel theories, algorithms, and technologies, as well as prototypical systems and tools. Possible topics include Bayesian inference, deep learning, reinforcement learning, and secure and explainable ML. Participation in the ELIZA curriculum, including cross-site courses and KI-Campus, and a 6-12 months research stay at another ELIZA site are mandatory.
The opportunity to prepare a PhD thesis is given.

Requirements:

- Successfully completed university degree (Master, Diplom or equivalent) in computer science (e.g., theoretical, methodological-practical, or technical computer science) or closely related fields of study with a focus on ELIZA's four research core areas
- Strong programming skills (e.g., C/C++, Java, Python, Scala)
- Knowledge of machine learning theories and methods (e.g., core methods, deep neural networks), practical experience in developing and applying ML algorithms, experience with linear algebra / neural network frameworks (e.g., NumPy, PyTorch, TensorFlow, JAX)
- Good knowledge of German and/or English required; willingness to acquire the respective missing language skills

We are looking for highly motivated, curious, enthusiastic, and results-oriented researchers with excellent academic records and strong research interest in the area of ML-driven AI.

Please send your application, quoting the **job reference number** and including the usual documents (in particular: letter of motivation, latest CV, copies of your Bachelor's and Master's certificates, official copies of your academic transcripts, list of publications and names and contact details of at least two referees whose letters should be available by the deadline of this call), preferably in English, by e-mail as one file in PDF format to Prof. Dr. Klaus-Robert Müller at **eliza.applications@ml.tu-berlin.de**, or by mail to: **Technische Universität Berlin - Die Präsidentin - Fakultät IV, Maschinelles Lernen, Prof. Dr. Klaus-Robert Müller, Sekr. MAR 4-1, Marchstr. 23, 10587 Berlin**.

By submitting your application via email you consent to having your data electronically processed and saved. Please note that we do not provide a guaranty for the protection of your personal data when submitted as unprotected file. Please find our data protection notice acc. DSGVO (General Data Protection Regulation) at the TU staff department homepage: https://www.abt2-t.tu-berlin.de/menue/themen_a_z/datenschutzerklaerung/ .

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities. Applications from people of all nationalities and with a migration background are very welcome.

The vacancy is also available on the internet at
https://www.personalabteilung.tu-berlin.de/menue/jobs/

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