Technische Universität Berlin

Technische Universität Berlin offers an open position:

Research Associate- salary grade E 14 TV-L Berliner Hochschulen - for qualification
part-time employment may be possible

The Berlin Institute for the Foundations of Learning and Data (BIFOLD) at TU Berlin is looking for a postdoctoral researcher in the field of machine learning for the research group headed by Director Prof. Dr. Klaus-Robert Müller.

Faculty IV - The Berlin Institute for the Foundations of Learning and Data (BIFOLD) / Machine Learning (ML)
Reference number: IV-689/24 (starting at the earliest possible / for 3 years / closing date for applications 07/02/25)

Working field:

Development of Neural Networks, esp. of models for application to complex, structured data from quantum chemistry; development of scalable algorithms for data analysis of high-dimensional and rapidly growing data sets; application and development of novel methods e.g. in the areas of the inverse design of molecules and materials with deep neural networks or their application to the analysis of atomistic systems in quantum chemistry; opening up of new research directions. Teaching duties.

Requirements:

- Successfully completed university degree (Master, Diplom or equivalent) and PhD in Computer Science, Mathematics or Physics
- Several years of teaching & research experience, profound knowledge in the field of theory and practice of ML, esp. NN, DL, equivariant NN, generative models, as well as the application area of quantum chemistry
- Sound knowledge of Python as well as DL Bibs, such as PyTorch, JAX, or Tensorflow
- Excellent mathematical skills, esp. linear algebra, probability, group theory, differential geometry and statistics
- The ability to teach in German and/or in English is required; willingness to acquire the respective missing language skills

Please send your written application, stating the **reference number**, with the usual application documents to the **Technische Universität Berlin - Die Präsidentin - Fakultät IV, Institut für Softwaretechnik und Theoretische Informatik, FG Maschinelles Lernen, Prof. Dr. Müller, MAR 4-1, Marchstr. 23, 10587 Berlin** or by e-mail (a PDF file, max. 5 MB) to: **jobs@bifold.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/

Zertifikat seit 2008
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