Technische Universität Berlin

Research Associate - permanent position acc to MAVO - salary grade E13 TV-L Berliner Hochschulen

part-time employment may be possible

Faculty IV - Electrical Engineering and Computer Science, Institute of Software Engineering and Theoretical Computer Science / Language and Communication in Biological and Artificial Systems
Reference number: IV-375/25 (starting at the earliest possible / permanent / closing date for applications 10/10/25)

Your responsibility:

- Project coordination and independent research
- Development of a computer-based modelling approach for brain signals to understand sensory and cognitive processes (language, visual perception, decision-making, attention, memory).
- Modelling fMRI-data using deep learning-based machine learning techniques (in particular "large language models")
- Supervising doctoral candidates
- Teaching classes in computer science and neuroscience

Your profile:

- Successfully completed university degree (Master, Diplom or quivalent) and PhD in computer science or related fields (Electrical Engineering, Computational Neuroscience)
- After completing the university degree, at least three years of academic or professional-practical work in a full-time employment relationship
- Very good knowledge in acquisition and analysis of fMRI data, machine learning and Natural Language Processing is required
- Very good programming skills, preferably in Python are required
- Proven experience in publishing scientific papers and writing grant proposals for multidisciplinary research topics is required
- Experience in supervising students is required
- The ability to teach in German and/or in English is required; willingness to acquire the respective missing language skills
- Experience with acquisition and analysis of EEG or MEG data is an advantage
- Teaching experience - preferred

How to apply:

Please send your application with the **reference number** and the usual documents **only by e-mail** to Prof. Dr. Fatma Deniz at **deniz@tu-berlin.de**.

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.jobs.tu-berlin.de

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