Technische Universität Berlin

Technische Universität Berlin offers an open position:

Research Assistant (PostDoc) - salary grade E13 TV-L Berliner Hochschulen - 2nd qualification period
part-time employment may be possible

Faculty IV - Institute of Software Engineering and Theoretical Computer Science / Database Systems and Information Management
Reference number: IV-133/19 (starting at the earliest possible / for a period of max. 3 years / closing date for applications 12/04/19)

Working field: Big data presents a completely new set of challenges for data processing and data analysis. Large quantities of low-latency data can be analyzed using advanced machine learning techniques that lead to new realizations and predictions concerning complex relationships in (near-) real-time. However, these capabilities present immense ethical challenges, in terms of systems, algorithms, and data management in the course of conducting data analysis. Systems have to ensure fairness, diversity, transparency, neutrality, and provides data protection. Within this research project, technological basics and prototypes for responsible data management are to be researched and developed in order to ensure the above mentioned characteristics by testing and verification of algorithms as well as traceability and reproducibility on the basis of Open-Source and Open-Data. It should be noted that this position also carries teaching duties.

Requirements: Successfully completed university degree (Master, Diplom or equivalent) and PhD in Data Management, Distributed Systems, or Scalable Data Analysis. They should be interested in developing a novel system and conduct research in a real-world application setting. Ideally, applicants should possess knowledge in programming languages and compilers, data science and machine learning as well as distributed programming. Applicants experienced in big data analytics systems, such as Apache Flink or Spark as well as open source development will be looked upon favorably. In addition, fluency in German and good knowledge of English are required. Moreover, past open-source project, industry, project management, or teaching experience will be looked upon favorably.

Please send your **written** application with the **reference number** and the usual documents (in particular cover letter, CV, academic transcripts, reference letters, and a sample of three representative publications) to Technische Universität Berlin - Der Präsident - **Fakultät IV, Institut für Softwaretechnik und Theoretische Informatik, FG Datenbanksysteme und Informationsmanagement (DIMA), Prof. Dr. Markl, Sekr. E-N 7, Einsteinufer 17, 10587 Berlin** or by e-mail to **jobs@dima.tu**-berlin.de.

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.

Please send copies only. Original documents will not be returned.

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

Zertifikat seit 2008
audit familiengerechte
hochschule