Technische Universität Berlin

Technische Universität Berlin offers an open position:

Research Assistant -salary grade E13 TV-L Berliner Hochschulen
under the reserve that funds are granted; part-time employment may be possibl

Faculty IV - Institute of Software Engineering and Theoretical Computer Science / Big Data Engineering
Reference number: IV-815/22 (starting at 01/01/23 / until 30/11/24 / closing date for applications 16/12/22)

Working field: The DAMS Lab research group is looking for a research associate (d/m/w) to join the team and conduct research in the EU-funded DAPHNE project on an open and extensible system infrastructure for integrated data analysis pipelines, which combine elements from data management, machine learning, and high-performance computing. In that context, the main research focus will be on programming language abstractions as well as compilation and runtime techniques. Topics of interest include:

- Domain-specific language design and bindings with existing programming languages
- Systems for machine learning and linear algebra
- Relational query optimization and execution
- Efficient and scalable parallel data processing in local and distributed environments
- Compiler construction and traditional programming language optimization

Requirements:

- Successfully completed academic university degree (master's degree, diploma or equivalent) in Computer Science or a related field of study. We are also open to domain-specific backgrounds if there is a willingness to close any gaps in the necessary CS background.
- Background in the areas of data management, applied machine learning, distributed systems, and software engineering
- Programming experience in C++ and Python (mandatory)
- Excellent written and oral English language skills, German is an advantage but not a requirement (the language in our group is English)
- Ability to communicate and work in a team, independent working style, high motivation
- Basic experience in research methods and scientific writing
- Experience in teaching and didactic competence is an advantage

Please send your application with the **reference number** and the usual documents (one file max. 5 MB) **only via email to jobs@dams.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 guarantee 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/ or quick access 214041.

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.

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

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