UNIVERSITÄT PADERBORN

Paderborn University is a high-performance and internationally oriented university. Within interdisciplinary teams, we undertake forward-looking research, design innovative teaching concepts and actively transfer knowledge into society. As an important research and cooperation partner, the university also shapes regional development strategies. We offer our employees in research, teaching, technology and administration a lively, family-friendly and equal opportunity environment, a lean management structure and diverse opportunities. **Join us to invent the future!**

The **Faculty of Computer Science, Electrical Engineering and Mathematics** – Institute of Computer Science / **Data Science Group** – offers from the 1st of January 2025 the position as a

Research Assistant (f/m/d)
(Salary level E 13 TV-L)

with a regular working time of 100 %. This is a fixed-term position initially until 31st of December 2028 due to third-party funding within the meaning of the Wissenschaftszeitvertragsgesetz (WissZeitVG). The fixed-term period corresponds to the approved project period. The opportunity for a PhD in the field of artificial intelligence (especially foundation models and knowledge graphs) is given. An extension is possible.

Your research duties and responsibilities include:
- Development and implementation of compute and approximation models for foundation models
- Optimisation of implementation on HPC cluster
- Evaluation using open evaluation platforms
- Publications at international venues
- Participation in network activities

We expect the following profile:
- You have a very good scientific M.Sc. degree in computer science or a related area that qualifies you for a PhD degree
- You have strong analytical and mathematical skills
- You have a background in knowledge graphs, knowledge representation or machine learning
- You are comfortable programming in Java or Python
- Excellent communication skills and the ability to work in an international team are indispensable for the position
- You have an interest in interdisciplinary scientific cooperation

Your CV must contain the following pieces of information:
- Grades of B.Sc. and M.Sc.
- Details about the work positions that you held before, if any
- A link to code examples (e.g., on GitHub)
- A list of your publications, if any

We offer:
- A creative international team, an open communication culture and agile workflows, as well as work on highly relevant research topics and technologies
- Flexible working hours and the individual option of mobile working
- Wide range of health, counseling and prevention services
- Attractive fringe benefits such as childcare facilities and sports activities
- Opportunities for internal and external training and personnel development
- Additional benefits in accordance with the collective wage agreement of the federal states (TV-L) such as annual bonuses and capital-forming benefits as well as the VBL supplementary employer pension scheme (VBL)

Applications from women are particularly welcome and, in case of equal qualifications and experiences, will receive preferential treatment according to to state law (LGG), unless there are preponderant reasons to give preference to another applicant. Part-time employment is generally possible. Applications from disabled people with appropriate suitability are explicitly welcome. This also applies to people with equal opportunities in accordance with the German social law SGB IX.

Please send your application (including letter of motivation, curriculum vitae (see above), scanned transcripts and diplomas) in a single PDF-file by **15th of October 2024** using the **reference number 6674** to Prof. Dr. Axel Ngonga: mone@uni-paderborn.de.

Information regarding the processing of your personal data can be located at:
https://www.uni-paderborn.de/en/zv/personaldatenschutz.

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