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!**

At the **Faculty of Computer Science, Electrical Engineering and Mathematics**, the Department of Computer Science – Data Science Group – offers full-time positions as

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

starting as soon as possible in the following research areas:

* **Code 6127:** Knowledge Graphs, e.g. SPARQL, embeddings and optimization
* **Code 6128:** Machine Learning, e.g. Deep Learning, Reinforcement Learning, Preference Learning, MLOps

The positions are limited until 30th of September 2027 due to third-party funding. The period of employment is governed by the Academic Fixed-Term Contract Act (Wissenschaftszeitvertragsgesetz – WissZeitVG). The duration of the time limit corresponds to the approved project period. The possibility of a PhD/scientific further qualification is given.

Your duties and responsibilities:
* Design and implementation of machine learning algorithms for knowledge graphs and large language models
* Deployment of algorithms at large scale and on HPC infrastructure
* Design and evaluation of a benchmarking environment
* Evaluation of models on down-stream tasks

Your profile:
* Very good M.Sc. or PhD degrees in computer science or a related area
* Background knowledge in data and software engineering is a plus
* Solid knowledge of machine learning
* Programming skills in languages such as Java and Python are a must
* Previous knowledge in Semantic Web, Linked Data is an advantage
* Very good command of English, both written and spoken

We provide:
* A creative international team with 10 other nations
* Open communication culture and agile workflows
* A family-friendly workplace with the opportunity for telework ('Mobiles Arbeiten') and flexible start and finish times
* Work on highly relevant research topics and technologies
* Personnel development through further training opportunities
* An 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.

Interested applicants can apply to one or both positions above by sending a letter of motivation, a curriculum vitae, scanned transcripts and diplomas to Prof. Dr. Axel Ngonga (E-Mail: mone@upb.de) using the reference number mentioned above. The positions remain open until filled. Applications will be reviewed on the 1st of each month, and selections can be made.

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

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