Paderborn University is a high-performance and internationally oriented university with approximately 20,000 students. 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 more than 2,500 employees in research, teaching, technology and administration a lively, family-friendly, equal opportunity environment, a lean management structure and diverse opportunities.

Join us to invent the future!

In the faculty of Computer Science, Electrical Engineering and Mathematics, the Department of Computer Science, Data Science group offers a position as

**Research Assistant (f/m/d)**
*(the salary is according to TV-L 13)*

This is a full-time position, which is to be filled as soon as possible. We welcome applicants with a Master’s degree. The position is limited to the duration of the research project COLIDE and hence to be filled until the end of the project (according to WissZeitVG), April 30th 2024, with a possible extension.

**Your duties and responsibilities:**
- Research on knowledge graphs and machine learning.
- This includes the development of explainable approaches for supervised classification of entities in knowledge graphs, e.g., by learning class expressions in description logics.
- This also includes the development of approaches to automatize the machine learning pipeline (AutoML), e.g., by automatically preprocessing the input data, selecting the expressivity of the description logic, as well as tuning hyperparameters. The developed AutoML approach is to be integrated into a multi-view learning approach operating on different views of the input data.

**Your profile:**
- M.Sc. degree in computer science or a related area.
- Background in Semantic Web technologies or knowledge representation.
- Working knowledge of the Semantic Web language stack (i.e., RDF/RDFS, SPARQL, OWL).
- Programming skills in languages such as Python and Java.
- Previous knowledge in machine learning (especially structured machine learning, AutoML, multi-view learning) is preferable.
- Excellent communication skills and the ability to work in an international team are indispensable for the position.

Applications from women are particularly welcome and, in case of equal qualifications and experiences, will receive preferential treatment according to the North Rhine-Westphalian Equal Opportunities Act (LGG), unless there are preponderant reasons to give preference to another applicant. Part-time employment is, in principle, 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 should send a letter of motivation, a curriculum vitae, scanned transcripts and diplomas before June 21st 2021. Please send your documents to Prof. Dr. Axel Ngonga (E-Mail: mone@upb.de) using the reference number 4734.

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