



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!**

The faculty of Computer Science, Electrical Engineering and Mathematics, the Department of Computer Science offers a

**PhD position (f/m/d)**

(the salary is according to 13 TV-L)

This is a full-time position available from July 1st, 2021. The position is limited till 30<sup>th</sup> of June 2025 and related to the Transregional Collaborative Research Center 318 "Constructing Explainability" of the Universities Paderborn and Bielefeld. Within this collaboration, scientific work will focus on the development of co-constructing explaining AI-systems. The position's responsibilities fit in the individual project B01 on "A dialog-based approach to explaining machine learning models" with the data science group at Paderborn University. The group investigates research questions regarding white-box machine learning models based on description logics. The candidate is expected to contribute to the development of explainable artificial systems and to conduct innovative research on this topic aiming at publications on leading international conferences. The position is a perfect fit for a person interested in teamwork and research in an international group and at the same time passionate about exchanging across disciplines.

**Responsibilities**

- scientific work on knowledge graphs and machine learning contributing to the development of explainable artificial systems within the individual project B01;
- contributions on project's results to international conferences and written publications;
- participation in activities of the Integrated Research Training Group;
- networking within the Transregional Collaborative Research Center;
- interdisciplinary communication and cooperation.

**Essential Qualifications:**

- Master's degree in computer science or a related area with very good grades
- Experience with knowledge graphs and machine learning
- very good programming skills (Python or Java)
- very good English skills

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.

Please send your application, including cover letter, your CV, certificates, and other accompanying documents via email (**reference 4698**) to [axel.ngonga@upb.de](mailto:axel.ngonga@upb.de).

Information regarding the processing of your person data can be located at:

<https://www.uni-paderborn.de/en/zv/personaldatenschutz>



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