



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 Electrical Engineering, Computer Science and Mathematics the **Department of Computer Science/ Data Science group** offers **three** full-time positions as

### **Research Assistant (f/m/d)** (remuneration according to salary group E 13 TV-L)

starting as soon as possible in the following research areas:

- **Knowledge Representation/ Reasoning**, e.g., description logics, non-monotonic reasoning, reasoning with inconsistent data, approximate reasoning (**reference no 5342**)
- **Machine Learning**, e.g., Deep Learning, Reinforcement Learning, Preference Learning, MLOps (**reference no 5343**)
- **Natural Language Processing**, e.g., Natural Language Generation, Machine Translation, Data to Text, Conversational AIs (**reference no 5344**)

The positions are qualification positions according to the Academic Fixed-Term Contract Act (Wissenschaftszeitvertragsgesetz – WissZeitVG) and offer the possibility to do a PhD or postdoctoral research. They are to be filled for the duration of the doctorate or postdoctoral qualification process and thus generally limited, depending on the qualification achieved so far, to a period of 3 years. However, a two-year extension is possible within the time limits of the WissZeitVG.

With its participation in 3 DFG research units, 8 collaborative research centres, 13 interdisciplinary research institutes, 9 graduate programs and 14 priority programs, Paderborn University is the ideal environment for the implementation of bold research ideas. Its national high-performance computing centre offers outstanding computing resources to implement these ideas.

#### **Your duties and responsibilities:**

- Conduct of research in at least one of the research areas mentioned above
- Collaboration in the development of the *Joint Artificial Intelligence Institute*
- Independent acquisition of and participation in third-party funded research projects

#### **Your profile:**

- Very good M.Sc. degree or PhD degree in computer science or a related area
- Background knowledge in data and software engineering is a plus
- Solid knowledge of reasoning/machine learning/NLP
- Programming skills in languages such as Java and Python are a must
- Previous knowledge in the area of Semantic Web, Linked Data is an advantage
- Very good command of German and 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 of mobile working and flexible working hours
- Work on highly relevant research topics and technologies
- Personnel development through further training opportunities
- An employer pension scheme

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 to ([mone@upb.de](mailto:mone@upb.de)) using the relevant reference number mentioned above until **02.09.2022**.

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

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