

The **University of Passau** owes its strong visibility and good repute to excellent research, innovative teaching and its tight-knit international academic networks. Some 11,000 students from 100 countries and more than 1,300 staff study and work on our University campus, which is located a stone's throw from the historical Old Town of Passau and combines state-of-the-art technical infrastructure with award-winning architecture. Internationally successful high-tech companies and a vibrant start-up scene, coupled with a rich culture and Lower Bavarian traditions, give Passau and the surrounding area a special appeal that makes it a great place to live and work.

The **Chair of AI Engineering** (Professor Steffen Herbold) invites applications for the position of

### **Doctoral Researcher (Ph.D. candidate)**

to start at the earliest convenience.

We offer a full-time position, based on a three-year fixed-term contract, with the option of renewal. Remuneration is in accordance with pay grade E13 of the German public-sector collective agreement, TV-L.

#### **Duties and responsibilities**

- Contribute to the *Software Engineering knowledge of NLP models* (SENLP) project funded by the German Research Foundation (DFG).
- Carry out research on the quality of large language models (LLMs), especially on the validation of their fundamental capabilities, the assessment of their domain knowledge, and the development of applications that utilise LLMs.
- No formal teaching obligation but opportunities to participate in and contribute to the Chair's teaching portfolio.

#### **Person specification**

- You have a good M.Sc. or *Diplom* degree in computer science or a related subject. For this degree, you will have written a master's thesis with excellent marks.
- In-depth knowledge of deep learning (especially transformers) and a good knowledge of software engineering
- In-depth knowledge of specific language models, natural language processing and qualitative analysis would be an advantage.
- Excellent spoken and written English.
- Knowledge of German would be advantageous but is not a requirement.
- Teaching experience in a university context would be desirable.

## What we offer

- The opportunity to pursue doctoral study at a renowned German university.
- Exciting, varied, and challenging work in a scientific environment on a modern campus that is only a few minutes' walk from the historic town centre and located directly at the river Inn.
- A pleasant working atmosphere in a family-friendly environment.

The University of Passau wishes to increase the proportion of its female staff and expressly encourages women to apply for the position.

Job-sharing arrangements may be possible, depending on the number of suitable candidates.

This position is suitable for candidates with disabilities. Persons who are registered disabled are given preference over non-disabled applicants who do not otherwise have statutory preferential status if their overall personal aptitudes, skills and qualifications are equal.

If you have any further questions about this position, please contact Professor Steffen Herbold by e-mail ([steffen.herbold@uni-passau.de](mailto:steffen.herbold@uni-passau.de)).

Please send your full application, including all supporting documents (motivation letter, curriculum vitae and school, training and work certificates) **as a single pdf file** to [anke.berger@uni-passau.de](mailto:anke.berger@uni-passau.de) by no later than **30 November 2023**.

E-mailed applications are kept on file for six months after the conclusion of the appointment procedure, whereupon they are deleted from our systems.

Please visit [www.uni-passau.de/en/university/current-vacancies](http://www.uni-passau.de/en/university/current-vacancies) for our data privacy policy.