

The **University of Passau** owes its strong visibility and good repute to excellent research, innovative teaching and its tight-knit international academic networks. Some 12,000 students 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 Data Science** (Professor Michael Granitzer) and the **Research Group CAROLL** (led by Dr Jelena Mitrović) at the University of Passau are seeking a

Graduate Research Assistant/Associate

to start on 1 December 2021.

This is a full-time position for a fixed term of one year, with the option of renewal up to a total of four years. Remuneration is in accordance with pay grade E13 of the German public-sector collective agreement TV-L.

Duties and responsibilities

- Collaboration on the 4-year BMBF-funded research project "AI-supported Gain of Writing and Argumentation Competencies in the Disciplines of Law and Economics" (DEEP WRITE)
- Development of AI-based language models, particularly neural language models, for analysing argumentation structures in legal and economics texts and teaching materials
- Development of methods for creating Knowledge Graphs for teaching topics in law and economics
- Data integration, preparation and annotation of test data
- Development of prototypes and demonstrators
- Collaboration with internal and external project partners
- Completion of a doctorate is possible in addition to the project work

Person specification

- A good university degree (master's degree or equivalent) in computer science or a related subject
- Knowledge of machine learning, deep learning, network analysis, semantic web, argumentation mining
- Willingness to work independently in a scientific manner and an interest in developing state-of-the-art AI systems
- Interest in interdisciplinary collaborations
- Experience in the realisation of data-analytical applications and/or systems
- Practical programming experience with Python/Java as well as an interest in realising and testing research prototypes in an industrial environment
- Very good knowledge of English; basic knowledge of German

The University of Passau actively promotes gender equality and diversity in the workforce; therefore, applications are welcome from all candidates who fulfil the requisite qualifications, without regard to sex, gender identity, cultural or social background, religion, world view or disability.

As the University of Passau wishes to raise the proportion of women in research and teaching, female academics are expressly encouraged to apply.

Registered disabled persons 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.

This position may be available part-time, provided a suitable number of candidates are willing to work on a work-share basis.

To apply, please send your full application with all supporting documents (including your curriculum vitae and school, training and work certificates) by e-mail to michael.granitzer@uni-passau.de. Your application should be attached as a **single PDF file**. The application deadline is **26 November 2021**. If you are still studying for your degree, you may apply using a current transcript; you do not need to wait until graduation to apply. 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 for our data privacy policy.

For further information, visit the Chair's website at www.fim.uni-passau.de/data-science.