



The Chair for **Fundamentals of Natural Language Processing** at the **Otto-Friedrich-Universität Bamberg** aims to fill, at the next possible date, a position as

Ph.D. Student – Scientific Employee (m/f/d)
(Full time, salary according to E13 TV-L)

The position is available for a term of 3 years.

The Chair for Fundamentals of Natural Language Processing in Bamberg (<https://www.bamnlp.de/>), performs research to understand and develop automatic methods in NLP. Our goal is to achieve generalizing methods (e.g., based on deep learning, probabilistic models, language models) motivated by innovative applications in psychology, the life sciences, and the digital humanities/computational social sciences.

Your Role

You will work in the project „Interactive Prompt Optimization with the Human in the Loop for Natural Language Understanding (INPROMPT)“, funded by the German Research Foundation (DFG). The project goal is the development of methods that support humans when interacting with large language models. The goal is, in the interaction between human and machines, to identify prompts that fulfill the task a user has in mind, while it is understandable, and generalizes to future applications. We expect that you write your Ph.D. thesis in the context of this project.

Your Profile

- M.Sc. in Computer Science, Computational Linguistics, or a related area.
- Experience in the development of NLP methods.
- Good knowledge and practical experience with deep learning.
- Very good command of English, knowledge of German is not required.
- Ability to work in a team, excellent communication skills, enthusiasm, and an accurate working style.

General:

The Otto-Friedrich-University Bamberg aims to increase the ratio of women in research and teaching and thus asks qualified women explicitly to apply. Applicants with disability (m/f/d) will have preference at otherwise equal qualification. The University Bamberg was certified as being a family friendly university by the Hertie foundation. The university focuses on the compatibility of family and career.

The position can be filled part-time. Part of the work can be done from home.

Application:

Please send your complete application including a brief motivation letter, your CV, and the contact details of two references combined in one PDF file by email to roman.klinger@uni-bamberg.de. Applications received until February 28, 2024 will be reviewed until mid of March. After that, applications will be reviewed until the position is filled. If you have questions, please contact Prof. Dr. Roman Klinger.

Contact:

If you have questions, please contact Prof. Dr. Roman Klinger.

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