



Karlsruhe Institute of Technology Institute AIFB Research Group "Web Science" Dr. Michael Färber michael.faerber@kit.edu

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## Position as Student Assistant (HiWi) for Machine Learning, Natural Language Processing, and/or Semantic Web Technologies

(Spoken Language: English or German)

We are looking for students who assist us in performing research in the research areas of machine learning, natural language processing, and Semantic Web.

## What are the typical tasks?

- Implementing under our guidance novel scientific approaches and demonstration systems (e.g., semantic search systems, recommender systems in combination with knowledge graphs), and creating new data sets for the scientific community.
- Running existing software for building up knowledge graphs, performing information extraction on texts, evaluating neural networks, recommending publications for reading or citing, ...
- Perform data analysis, e.g., on RDF knowledge graphs (DBpedia, Wikidata, ...).

learning
machine intelligence
prediction
impact text
data fairness
mining webbig natural linking
entity networks systems
language knowledge neural
ranking artificial
annotation recommender retrieval
graphs explainability

## What prerequisites do you need?

- You are not afraid of working with data and running code for machine learning, text mining, etc.
- You are interested in state-of-the-art research on machine learning, natural language processing, and/or Semantic Web technologies.
- You have at least basic programming skills (e.g., in Python).

## What do we offer for you?

- A contract with 40-80h per month. The salary is 12.36€ per hour (depending on the university degree). The contract can last between 2 and 6 months (option for extension).
- Flexible working hours, also working at home possible.
- A variety of tasks so that you can learn a lot. Also state-of-the-art research can be performed and will be published together with the student.
- If the student likes the work, it can be extended in the form of a Bachelor/Master thesis.

Starting date: As soon as possible. Also later applications (in some months) are welcome.

Please send your questions and application (with a short CV and a transcript of records) to:

Michael Färber

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