**University of Freiburg**
**Databases and Information Systems Group**
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# Position as Student Assistant (HiWi) in Research Project with BMW

**We are looking for students who help us in working in a research project with BMW. The student will thereby work from a University perspective and can stay in Freiburg (or other home town).**

**What is the topic?**

- Creating a *knowledge graph*, which is a structured representation of knowledge. Knowledge graphs are nowadays used for a variety of tasks, e.g., Question Answering (see Siri, Alexa, etc.).
- Allowing users to *annotate text* documents based on this knowledge graph.
- Allowing users to *search* for relevant documents based on this knowledge graph.

KNOWLEDGE DISCOVERY
ENTITY LINKING
MACHINE LEARNING
SEMANTIC WEB DATA MINING
NATURAL LANGUAGE PROCESSING
INFORMATION RETRIEVAL
KNOWLEDGE BASE
KNOWLEDGE GRAPH
TEXT MINING
TEXT ANNOTATION
NEURAL NETWORKS
DIALOGUE SYSTEMS

**What prerequisites do you need?**

- You have fun with working with data, using methods and techniques from text mining, data analysis, knowledge discovery, etc.
- You are interested in state-of-the-art research on knowledge discovery/text mining/etc.
- You have at least basic programming skills (Java or Python).

**What do we offer for you?**

- A contract with 40-80h per month. The salary is about 11€/h (depending on the university degree). The contract can last between 3 and 9 months.
- Flexible working hours, also working at home possible.
- A variety of tasks so that the student 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 Master thesis.

Starting date: As soon as possible.

> Please send your questions and application
> (with a short CV and a transcript of records) to:
> **Michael Färber**
> **michael.faerber@cs.uni-freiburg.de**