Student assistant wanted

Starting immediately, the Cognitive Systems group (Faculty WIAI) is looking for a student assistant to support the research project *KIProQua. KIProQua* is a project in close cooperation with BMW. We are researching new methods that use artificial intelligence to detect the cause of a fault in the production of electric motors.

We access a large amount of structured and unstructured data from the production of electric motors. Your main task will be to feed this data into an RDF triple store and to write REST API methods by which adjacent systems, such as a UI or an AI, retrieve data from the triple store.
In addition, you will analyze production data and assist us in training machine learning models where appropriate.

Working hours are flexible by arrangement and average 40h per month.
Project and thesis work may be written as part of the position.

We offer:

- Good working atmosphere
- Time to familiarize
- Expert colleagues
- Interesting tasks
- Space for learning and experimenting

Your Tasks:

- Write and maintain REST API methods
- Manage an RDF triple store like OpenLink Virtuoso/Neo4j
- Perform data analysis
- Implement and train AI/ML models

Your Skills:

- Python
- OpenLink Virtuoso/Neo4j
- SPARQL
- Open to learning new technologies
- Ability to work in a team

We do not expect you to bring prior knowledge in OpenLink Virtuoso/Neo4j and SPARQL. What mainly matters to us is your motivation to learn new technologies.

All activities are discussed within the team, time for training and assistance is available.
If you have any questions, feel free to contact Christoph Wehner (christoph.wehner@uni-bamberg.de).

You want to gain experience in an artificial intelligence research project? Then send us an application (short letter of motivation, CV and grades), to:

christoph.wehner@uni-bamberg.de and ute.schmid@uni-bamberg.de