

Research Assistant (m/f) in the area of Knowledge Graphs & Recommendation Systems

The Ferdinand Steinbeis Institute (FSTI) is a research institute for digitalization and connectivity of the international Steinbeis Network. In transfer-oriented projects, FSTI addresses changes in industrial ecosystems and social structures. This results from the increasing fusion of physical objects and embedded IT systems in conjunction with comprehensive, Internet-based networking. The FSTI coordinates activities on the following topics, among others:

- Industrial Internet / Industry 4.0
- Digitalization and society
- Innovation and transfer management
- Autonomization and IT trustworthiness

Based on the FSTI research focus, various possibilities, or ideas for the implementation of solutions arise. The prototypical realization and the advancement of own ideas are components of this activity. In doing so, the research assistant has the freedom to implement relevant applications and present them in an established project environment.

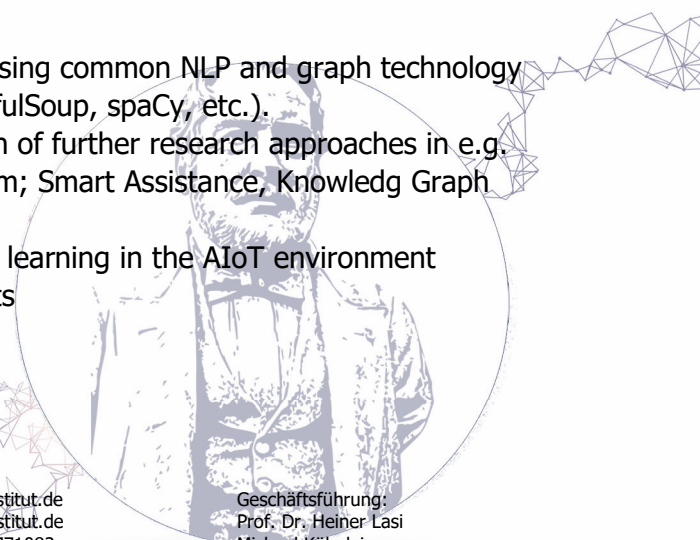
AIoT offers such a project environment. Artificial Intelligence and IoT --> AIoT: is an area at FSTI that aims to evaluate the data generated by the IoT using AI methods and models. The information developed will support decisions and lead to actions in real-world environments. [More information at the website.](#)

It is also possible to conduct a thesis with experienced supervision in this environment. The FSTI is also happy to act as a practical partner with a large network in practice and interesting digitization projects.

The job can also be done at our new location on the Bildungscampus in Heilbronn. Thus, we also welcome applications from students from Heilbronn and the surrounding area.

Fields of activity:

- Further development of a knowledge graph using common NLP and graph technology as well as Deep Learning (e.g. Neo4J, BeautifulSoup, spaCy, etc.).
- Identification and prototypical implementation of further research approaches in e.g. Question-Answering; Recommendation System; Smart Assistance, Knowledge Graph Evolution; etc.
- Prototypical implementations of analytics and learning in the AIoT environment
- Collaboration in research and industry projects
- Support in day-to-day business



What we offer:

- Innovative project environment (AIoT, Blockchain, Industrie4.0, (I)IoT, Additive Manufacturing, etc.)
- Interdisciplinary teams with a startup character
- Room for ideas with trial & error
- Collaboration in practical projects or takeover and independent supervision of sub projects
- Flexible working hours

Prerequisites:

- Knowledge in IT or similar with interest in IoT and Artificial Intelligence.
- Ideally experience with common NLP libraries and knowledge graph development or graph-based databases
- Ideally, AI development experience (e.g., machine learning, deep learning) as well as experience in AI system development
- Willingness to familiarize yourself with new topics
- Flexibility and ability to work in a team
- Reliable and independent work
- Good knowledge of German and English, both written and spoken
- In the current bachelor's or master's program

Further:

- Time frame: 60-80h per month
- Start: immediately

Contact person:

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70599 Stuttgart

Application including motivation, resume and current grade transcript to the following Email address:

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