



Research Assistant (m/f/d)

The Zittau/Goerlitz University of Applied Sciences sees itself as a responsible employer promoting the potential of its employees based on equal opportunities and family-friendliness. It offers a motivating environment that enables and recognizes excellent performance. Commitment of all those involved and openness to change are essential.

VACANCY

As part of the EdgeVision project funded by the German Federal Ministry of Education and Research (BMBF), the Zittau/Görlitz University of Applied Sciences (HSZG), Faculty of Electrical Engineering and Computer Science, is seeking to fill a position (40 hours/week) as a

Research Assistant (m / f / d) - Keyword: - 52-2024 EdgeVision ES -

to be filled for a limited period until 31 May 2026.

In combination with energy-efficient hardware modules, embedded and edge AI solutions offer a wide range of possibilities for the development of intelligent field devices and cyber-physical systems as well as in the areas of wearables and AR/VR technologies.

The aim of the project is to research and develop new AI solutions in order to identify innovative application possibilities and test them in practical test samples in the field of embedded systems. The technical/scientific content consists of the research and development of necessary AI methods and algorithms to realise the identified use cases and application requirements of the project partners. The planned energy efficiency of the AI methods developed should make a significant contribution to the technical realisation of the test samples in the form of wearables or intelligent field devices.

The job holder supports the project team with the following tasks in particular:

- Investigations into existing AI frameworks,
- Developing the requirements in cooperation with the project partners,
- Research, development and further development of AI methods,
- Provision of the researched and implemented AI set for the project partners,
- Collaboration in the design of functional models and sample applications (AR devices, intelligent field devices),
- Cooperation with project partners, participation in scientific exchange and discourse with industry and research partners,
- Collaboration in the preparation and presentation of project reports and scientific papers.



The following knowledge and skills are required

- University degree, preferably in the fields of electrical engineering, computer science or mechatronics,
 - Specialist knowledge and experience in the field of embedded systems,
 - Experience in software development in C/C++ or other high-level languages,
 - Experience in the use of embedded development environments,
 - German and/or English spoken and written (B2)
 - A confident manner and good communication skills.
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The following are also desirable

- Experience
 - in the design and construction of functional models,
 - in the area of hardware/software co-design,
 - in project management,
 - with common office software,
 - with AI frameworks.
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We expect from you

- A high degree of self-organisation and a sense of responsibility,
 - Interest in scientific tasks,
 - Willingness and interest in further professional and personal development,
 - Team spirit.
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We offer

- An interesting and demanding field of activity in a qualified, open-minded and committed team,
 - Flexible and family-friendly working hours within the framework of the applicable service agreement,
 - Personal and professional development opportunities through targeted further training,
 - Attractive social benefits (company pension scheme, annual special payment, capital-building benefits for public service employees),
 - Company health management with offers for health promotion as well as the possibility of using a sponsored job transportation ticket.
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The remuneration is paid in the salary group **EG 13 TV-L** if the personal requirements are met. The primary place of work is Zittau. A trial period is agreed. The Zittau/Goerlitz University of Applied Sciences strives for a balanced staff structure and therefore welcomes applications from people of any gender. Severely disabled people will be given preference if they have the same professional qualifications. The Zittau/Goerlitz University of Applied Sciences has set itself the goal of increasing the proportion of women in teaching and research and therefore expressly encourages women to apply.

Is this vacancy interesting to you? Then we look forward to receiving your detailed application (including cover letter, résumé, diploma and job references) up to **31.07.2024** (date of arrival) **by email** to:

stellenangebote@hszg.de
(Attachments only in PDF format)



Should you have further questions of technical nature, please contact the director of the project, Prof. Dr.-Ing. Knut Meißner (phone: +49 3583612-4556; E-Mail: knut.meissner@hszg.de). For more information, see www.hszg.de.

