



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: EdgeVision XR

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

Embedded systems in combination with AR/VR or XR technologies, together with energy-efficient hardware modules, offer a wide range of possibilities for developing intelligent systems for human–technology interaction in the field of wearables.

The aim of the project is to research artificial intelligence technologies and AR/VR or XR methodologies to identify innovative application possibilities and to test them in practical test samples. The technical/scientific content consists of the research and development of necessary AR/VR methods to realise identified use cases and application requirements.

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

- Investigations into existing AR/VR technologies,
- Development and support of the AR/VR technologies used (HUD/HMD/CAVE),
- Testing of functional samples and sample applications (AR/VR devices, intelligent systems),
- Developing the requirements in cooperation with the project partners,
- Review of the AR/VR models and methods developed with regard to the identified requirements,
- Collaboration in the preparation and presentation of project reports and scientific papers.

The following knowledge and skills are required

- University degree in the fields of electrical engineering, computer science, mechatronics or technical physics (at least B.Sc., Dipl.-Ing. (FH) or comparable degree),



- Specialist knowledge and experience in the areas of AR/VR,
 - Experience in software development in C/C++ or other high-level languages and common software development tools,
 - Experience with visualisation tools and methods,
 - German and/or English spoken and written (B2) (project language: German),
 - A confident manner and good communication skills.
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The following are also desirable

- Experience
 - in research,
 - in project management,
 - with common office software,
 - with AR/VR frameworks
 - with AR/VR hardware.
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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 **11 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 **26.02.2024** (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.

