



Paderborn University is a high-performance and internationally oriented university. Within interdisciplinary teams, we undertake forward-looking research, design innovative teaching concepts and actively transfer knowledge into society. As an important research and cooperation partner, the university also shapes regional development strategies. We offer our employees in research, teaching, technology and administration a lively, family-friendly and equal opportunity environment, a lean management structure and diverse opportunities. **Join us to invent the future!**

In the **Faculty of Electrical Engineering, Computer Science, and Mathematics**, within the Chair of "IT Security", the following position is to be filled as soon as possible:

Research Assistant (f/m/d) with or without Bachelor's degree (SHK or WHB)

The position is available immediately. The offer is initially limited to 12 months, but an extension is possible and desired. Working hours are to be discussed (from 10 up to 19 hours/week).

The aim of our research group is to explore the design of security technologies that are easy to use, inclusive, and privacy-friendly. Our vision is that people should be able to live a secure digital life without having deep technical knowledge. Towards this end, we conduct research and teaching on a variety of topics, including password security and usability, behavioral implicit authentication, behavioral data privacy, privacy awareness, and transparency enhancing technologies.

We have an ongoing research project about **usable security in Virtual Reality (VR)** and another project on **brain-computer interfaces**. For that we are looking for an assistant that helps us **implementing applications in VR**, install and extend existing solutions and other research-related activities.

Your tasks:

- Developing 2D and 3D apps for Virtual Reality in Unity (e.g., authentication systems)
- Extending existing VR authentication solutions
- Extending brain-wave authentication systems
- Setting up live demos
- Support in research tasks related to these topics

We offer:

- A relaxed and inspiring working atmosphere
- The opportunity to learn and obtain practical experience in both software development and research
- A dedicated place to work in our lab rooms
- We have cool devices to work with! Different VR devices, Brain-Computer Interface headsets and more
- Coffee/tea, snacks, and great chats

Recruitment requirements:

- Bachelor or Master student in computer science or similar
- Independent and structured work
- Advanced programming experience
- Excellent writing and communication skills in English

Nice to have:

- Experience with Unity/VR Apps development
- Experience with the courses offered by us
- Experience with user studies

Applications from women are particularly welcome and, in case of equal qualifications and experiences, will receive preferential treatment according to state law (LGG), unless there are preponderant reasons to give preference to another applicant. Part-time employment is generally possible. Applications from disabled people with appropriate suitability are explicitly welcome. This also applies to people with equal opportunities in accordance with the German social law SGB IX.

Please send your application documents (short cover letter, CV, transcript of records, and certificates) using the **Ref. No. 6615** ekablo@mail.upb.de. If possible and wanted, include links to your previous work (e.g. portfolio, GitHub repositories).

Information regarding the processing of your personal data can be located at:
<https://www.uni-paderborn.de/en/zv/personaldatenschutz>.

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