



Technische Universität Berlin



Student assistant (40 hours per month)

**Faculty V - Mechanical Engineering and Transport Systems, Institute of Fluid Dynamics and Technical Acoustics
- Department of Engineering Acoustics**

Reference number: V-SB-0121-2025 (starting on 01/12/25 / limited for two years / closing date for applications 04/12/25)

Your responsibility:

The position is part of the research conducted in the "MOSAIC" graduate network with several institutes of RWTH Aachen University, which aims to investigate acoustic well-being in a context-dependent manner. The activities include the following areas:

- Support in the design and implementation of audiovisual test environments in Unreal Engine and their connection to acoustic simulation tools (60%)
- Participation in the planning, implementation, and evaluation of human experiments to assess acoustic perception (40%)

Your profile:

Mandatory criteria:

- Experience in developing VR applications with HMDs, tracking systems, and Blueprints Visual Scripting or C++
- Good programming skills in MATLAB, Python, or Pure Data
- Good knowledge of German and/or English required; willingness to acquire the respective missing language skills

Optional criteria:

- Basic knowledge of virtual acoustics and digital signal processing
- Experience with embedded systems and corresponding programming

How to apply:

Party responsible for specialist area / point of contact for job posting: Dr. André Fiebig - ta7@akustik.tu-berlin.de

Period of employment: 01.12.2025, limited for two years

Apply to: ta7@akustik.tu-berlin.de

Please submit your written application including cover letter, your CV, certificate of enrollment, and where applicable, current transcript of records, with the reference number to the place of employment indicated above.

In the interest of promoting equality opportunities for men and women, applications from women with suitable qualifications are particularly encouraged.

The vacancy is also available on the internet at:
<https://www.jobs.tu-berlin.de>

