



Technische Universität Berlin



Technische Universität Berlin offers an open position:

Student assistant (40 hours per month)

Fakultät VI: Planen Bauen Umwelt, Institut für Bauingenieurwesen, Systemtechnik baulicher Anlagen

Reference number: VI-SB-0028-2025 (starting at the earliest possible / limited to 31.05.2026 / closing date for applications 18/06/25)

Working field:

Context:

Participation in the EU funded project Reincarnate with the goal to develop digital solutions to allow for circular planning and waste reduction within the construction industry. You will support the research activities of this large-scale EU funded project conducted by the TU Berlin.

Work Tasks:

In particular, we expect the candidate to support research into robotic solutions to upgrade building components, such as windows using the robot cell of the institute for civil engineering. This work includes

- the development of robotic process simulations using RobotStudio from ABB or Gazebo (50%)
 - the participation in real time robotic experiments in the robotic cell (25%)
 - to support the case study-based research to demonstrate solutions developed (25%)

Requirements:

- excellent English language skills
- software development skills

Additionally, candidates with one or more of the following skills will be preferred during the selection process of the candidate:

- software development skills in the areas of Building Information Modeling and Digital Building Twins
- skills and background in robotic simulation, ideally with using Gazebo or a similar platform
- knowledge of programming embedded systems (e.g. Aduino, Raspberry Pi) and integrating hardware components

Party responsible for specialist area / point of contact for job posting: Prof. Timo Hartmann

Period of employment: immediately limited to 31.05.2026

Apply to: timo.hartmann@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.personalabteilung.tu-berlin.de/menue/jobs/>

