Technische Universität Berlin

Technische Universität Berlin offers an open position:

Student assistant (40 hours per month)

Fakultät V: Verkehrs- und Maschinensysteme - Institut f. Psychologie und Arbeitswissenschaft - FG Kognitionspsychologie u. Kognitive Ergonomie
Reference number: V-SB-0023-2025 (starting at 01/04/25 / closing date for applications 02/04/25)

Working field:

We seek a motivated student assistant (HiWi) to support our research project on integrating artificial intelligence (AI) in manufacturing companies. This project aims to explore the challenges and opportunities of AI adoption in production environments and develop strategies to facilitate an AI-oriented transformation.
About the Project: In the future, the competitiveness of manufacturing companies will depend mainly on their ability to leverage AI to create value. Potential benefits include adaptive automation and collaboration between humans and AI in hybrid teams. However, current AI adoption remains sporadic and lacks strategic integration. Our project investigates the barriers to AI implementation and develops methods to support AI-oriented transformation. The goal is to design AI systems perceived as equal partners in human-machine teams, fostering trust and intuitive interaction based on empirical data collected in the laboratory and the manufacturing environments.
The position will be in the Department of Cognitive Psychology and Ergonomics (Prof. Eva Wiese) at TU Berlin, an interdisciplinary department that is interested in the interaction of artificial agents from both a theoretical and applied perspective.

Area of responsibility:

- Support in preparation for data collection (20%)
- Support in data collection, including conducting surveys, interviews, experiments, and observations in the laboratory and manufacturing environments. (35%)
- Assist in organizing and processing collected data. (20%)
- Collaborate with the research team to analyze data trends and insights. (10%)
- Support the preparation of reports and documentation. (10%)
- Assist in administrative tasks related to the research project. (5%)

Requirements:

Must:

- Enrolled student with in-depth knowledge of psychology, engineering, computer science, human factors, or a related field
- Strong interest in human-AI interaction and digital production environments.
- Basic knowledge of data collection quantitative (e.g., experiments in the lab) and qualitative methods (e.g., surveys, interviews)
- Very good written and spoken English skills are mandatory as the project members are international; willingness to learn German is expected

Can:

- Excellent organizational skills and attention to detail
- Ability to work independently and in a team

Party responsible for specialist area / point of contact for job posting: Eva Wiese / Christin Seidel
Period of employment: 01.04.2025 - 31.12.2026
Apply to: christin.seidel@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/

Zertifikat seit 2008
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hochschule