Technische Universität Berlin

Technische Universität Berlin offers an open position:

Student assistant (40 hours per month)

Faculty IV: Electrical Engineering and Computer Science - Computer Science - Modeling of Cognitive Processes
Reference number: IV-SB-0024-2025 (starting at the earliest possible / closing date for applications 07/05/25)

Working field:

As a part of the cluster of excellence Science of Intelligence our interdisciplinary team investigates the intelligent behavior of mice when solving mechanical puzzles (so called lock boxes). For a better understanding of their actions, advanced computer vision methods are employed (for more information visit https://www.scienceofintelligence.de/research-projects/project_46/). We are looking for motivated student assistants to help us in our research work.
This encompasses the processing of large amounts of picture and video data (25%), support with implementation of computer vision and deep learning algorythms using the Python programming language (40%) and manual annotation of image data (35%).

Requirements:

Must:
Good programming skills with Python (object oriented programming); basic knowledge of digital image processing (e.g. cropping, change of color space, scaling) using programming; good written and spoken command of English; knowledge of Deep Learning.

Can:
Good command of the python packages Tensorflow and panda; first hand experience of training CNN models; good command of the version control system git; experience in processing of image data; experience in processing large data sets; basic knowledge of keypoint detection in computer vision; willingness to gain new knowledge and skills; ability to use Linux systems; experience with programming projects in a team, ability to work in a team.

Party responsible for specialist area / point of contact for job posting: Soledad Traverso
Period of employment: At the earliest possible - 31.12.2025
Apply to: cognition@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
audit familiengerechte
hochschule