Technische Universität Berlin

Technische Universität Berlin offers an open position:

Student assistant (40 hours per month)

Fakultät IV: Elektrotechnik und Informatik - Institut für Technische Informatik und Mikroelektronik - FG Multi-Roboter Systeme
Reference number: IV-SB-0030-2025 (starting at the earliest possible / closing date for applications 28/04/25)

Working field:

Help with research and development activities in the field of multi-robot systems, in particular:

- preparatory and supporting work in the Programming in Python within the scope of multi-robot motion planning (40%).
- preparatory and supporting work with the development of hardware extensions for flying robots (40%)
- Support in the execution of experiments with robot teams (flying robots and other mobile robots) (20%)

Requirements:

Required criteria

1. very good programming skills in Python
2. very good knowledge in the area of prototype development (electronics and 3d printing)
3. very good knowledge in robotics and controls engineering (model predictive control)
4. good written and spoken English skills

Optional criteria

1. experience with flying robots
2. experience with machine learning
3. experience with the Robot Operating System (ROS)
4. enthusiasm for the research topic and the desire to participate in a research group

Party responsible for specialist area / point of contact for job posting: Prof. Dr. Wolfgang Hönig
Period of employment: immediately for 2 years
Apply to: office@mrs.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