Max Planck Institute for Intelligent Systems

Student Assistant (HiWi) f/m/div

Online seit 02.12.2025 | 2025-12-02-946156 | Studierendenjob

Stellenbeschreibung

Are you interested in advancing robotic technologies that shape the future of biomedical diagnostics? We are developing next-generation robotic systems that integrate engineering, automation, and analytical methods to improve experimental precision and reliability. We seek a motivated student assistant to support the design, testing, and optimization of these systems within an interdisciplinary research environment.

We are looking for a:

Student Assistant (HiWi) f/m/div

Volume of employment: max. 20 hours per week. Starting preferably from January 2026

Roles & Responsibilities

- Assisting in the design, assembly, and testing of robotic prototypes.
- Supporting integration of sensors, actuators, and control systems.
- Performing experiments and documenting results.
- Contributing to automation workflows in biomedical applications.

Anforderungsprofil & Qualifikationen

Education & Experience

Applicants should

- Be pursuing a Bachelor's or Master's degree in robotics, mechanical engineering, electrical engineering, mechatronics, computer science, or a related engineering discipline
- Enrollment at a German university
- Previous laboratory or workshop experience in robotics, electronics, or prototyping (e.g., during thesis projects, internships, or courses).

- Good technical understanding and independent problem-solving skills.
- Good oral and written communication skills in English (German is a plus).

We are also interested in candidates who have

- Experience with CAD, 3D printing, and rapid prototyping.
- Familiarity with microcontrollers (e.g., Arduino, Raspberry Pi) and programming (Python, C++, ROS).
- Interest in interdisciplinary applications of robotics in life sciences.

Our offer:

- Gain valuable hands-on experience with advanced robotics and automation techniques.
- Work closely with an interdisciplinary and international research team.
- Contribute directly to innovative diagnostics research with real-world impact.
- Flexible working hours compatible with your study schedule, up to 20 hours per week
- Students without a Bachelor's degree will be paid 13,90 € per hour. Students with a Bachelor's degree will be paid 14,40 € per hour.
- Contracts are given per semester

Application:

Please upload your application (a résumé in English or German and a brief cover letter in English explaining your interest in this position, merged into a single PDF) to our application portal.

For further questions, please contact Ugur Bozuyuk at bozuyuk@is.mpg.de or Alp Can Karacakol at karacakol@is.mpg.de.

The Max Planck Society is committed to increasing the number of individuals with disabilities in its workforce and therefore encourages applications from such qualified individuals. The Max Planck Society strives for gender equality and diversity. Furthermore, the Max Planck Society seeks to increase the number of women in its workforce in those areas where they are underrepresented and therefore explicitly encourages women to apply.

Vorteile für Mitarbeitende

- Flexible Arbeitszeit

Stellenmerkmale

Beschäftigungsart	**Studierendenjob**
Beschäftigungsumfang	**Teilzeit (befristet)**
Home Office	**Nein**
Bewerbungslink	**https://formular.as-mediendesign.de/link/eeb835dc-42569-386-f7e9f9.html**

Kontaktdaten

Firma/Hochschule	**Max Planck Institute for Intelligent Systems**
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