

## Student Assistant (HiWi) m/f/div

Online seit 18.06.2025 | 2025-06-18-934350 | Werkstudent:in

---

### Stellenbeschreibung

Are you interested in bipedal robots? Do you want to gain hands-on experience with robot hardware, electronics, and software? Help our team in the further development of our small bipedal robot (EcoWalker).

We are part of the Haptic Intelligence department in Stuttgart and we are researching topics around dynamic locomotion with bipedal human-like, bird-like and dinosaur-like robots.

We are looking for:

#### Student Assistant (HiWi) m/f/div

Ideally starting in mid-July, not later than August 2025.

#### Roles & Responsibilities

- We are looking for a student with a Bachelor of Science degree in mechatronics, mechanical engineering or robotics to support our project for 4-5 months.  
Possible tasks include:
  - o CAD design of robot parts
  - o 3D-printing and manufacturing of robot parts
  - o Assembling and debugging the robot's hardware and electronics
  - o Tuning bipedal robot control code
  - o Running experiments with the bipedal robot (EcoWalker)
  - o Documenting control and design changes
  - o Evaluating and plotting experimental results
  - o Scientific writing
- The position will allow you to gain hands-on experience with robotic hardware, software, and scientific experiment procedures. You will be part of our ongoing research in bipedal robotics and human walking.

# Anforderungsprofil & Qualifikationen

## Education & Experience

- Ideally, applicants should have:
  - o high motivation
  - o a bachelor's degree in a related subject
  - o strong academic performance in relevant bachelor's courses
  - o good design skills in Solidworks/Inventor
  - o hands-on experience working with hardware (sensors and actuators)
  - o experience with 3D-printing
  - o outstanding documentation skills
  - o detail-oriented work-ethic
  - o good programming skills in Python/MATLAB
  - o hands-on experience working with electronics
  - o interest in working in an international and inter-disciplinary research group
  - o good oral and very good written skills in English
  - o be able to work on-site at the Max-Planck Institute for Intelligent Systems in Stuttgart, Germany

## Our offer:

Student assistants with a bachelor degree will be paid €14.40 per hour. Working time up to 20 hours per week in lecture period, and up to 39 hours per week in lecture-free period.

## Application:

Please upload your application (your CV plus a one-page motivation letter) to our application portal.

For further questions please contact Bernadett Kiss at [kiss@is.mpg.de](mailto:kiss@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.

Closing date for applications:

The posting is open until filled.

## Vorteile für Mitarbeitende


- Flexible Arbeitszeit

## Stellenmerkmale

Beschäftigungsart	Werkstudent:in
Beschäftigungsumfang	Teilzeit (befristet)
Home Office	Nein
Abschluss	Bachelor-Studium
Berufserfahrung	< 1 Jahr
Bewerbungslink	<a href="https://formular.as-mediendesign.de/link/d2eefbcc-38371-386-2808b7.html">https://formular.as-mediendesign.de/link/d2eefbcc-38371-386-2808b7.html</a>

---

## Kontaktdaten

Firma/Hochschule	Max Planck Institute for Intelligent Systems
Kontakt	Frau Bernadett Kiss
E-Mail	 <a href="mailto:kiss@is.mpg.de">kiss@is.mpg.de</a>

