



## Project Assistant (Pre-Doc)

40 hours/week | limited to 2 years

**TU Wien is Austria's largest institution of research and higher education in the fields of technology and natural sciences. With over 26,000 students and more than 4000 scientists, research, teaching and learning dedicated to the advancement of science and technology have been conducted here for more than 200 years, guided by the motto "Technology for People". As a driver of innovation, TU Wien fosters close collaboration with business and industry and contributes to the prosperity of society.**

The Research Unit Human-Machine-Interaction (HMI) at the TU Wien is offering a position as pre-doc project assistant (PhD candidate). The position is full-time (offered: 40 h/week, but 30 h/week possible upon agreement) and the expected start is April, 2024.

The mission of HMI is to design, develop and implement human-centred and assistive technologies for workers, increase their well-being, and address the negative impacts of the phenomenon of the aging workforce. HMI strives to achieve a better symbiosis between humans and automation and develops technology that helps workers rather than replaces them – our promise to society. As a unit focused on human-centred research, we use digital transformation in society to engage all stakeholders within the labour market and thus aim contribute to social sustainability.

### Tasks:

- **Research projects:** You will work on research projects, both on the local and international level. These projects are situated in the area of human-centred AI and human-machine interaction, including machine learning and deep learning for studying human motion and ergonomics, as well as information visualisation, user research, and cognitive factors at work.
- **Your own research:** The topic of your research (i.e., your PhD thesis) is yet open and shall be decided on within the first year, based on your personal research interests. However, you are expected to conduct inter- and transdisciplinary research that fits our core research areas, i.e. human-machine symbiosis, the future of technology-assisted work, ergonomics & human factors, or the social aspects of digital transformation in the industry.
- **Publishing:** You will publish and present your research at conferences and publish in scientific journals.
- **Teaching:** You will be expected to contribute to our teaching (to a limited extend). This can involve supervising student thesis, or conducting presentations, depending on your prior experience in teaching and the further plans of developing an academic profile.

### Your profile:

- Close to finishing or already completed Master's studies (e.g., Dipl.-Ing.) in the field of Data Science, Computer Science, Engineering or a related area from a domestic or equivalent foreign university or research institution
- Strong interest for research and development of new prototypes and artifacts, especially in the area of human-centred computing
- Skilful in software engineering, optimally prior experience in app development
- Background in data science, optimally with prior experience in machine learning and deep learning. The candidate should also show willingness and interest to learn more on these topics
- Interest in working with people and conducting user research (i.e., user studies, interviews, participatory design, etc.). Prior experience in this area is not a prerequisite but certainly of benefit
- Very good command of English, as well as knowledge of German (B2 level) or willingness to learn within the first year
- Social competence – especially in terms of inclusion, equity, and diversity

### We offer:

- Excellent working conditions where nothing is far from anything else, where people feel safe and can make meaningful connections with one another in an attractive research environment
- Position as part of an interdisciplinary team, characterized by a close collaboration and sharing of knowledge across disciplines
- Flexible work model and a range of various training opportunities for personal growth
- Access to a well-suited research facility for applied research (TU Wien Pilot Factory) and relevant hardware (collaborative robots, AR and VR-devices, sensors)
- Access to computational resources, including GPU clusters of the TU Wien
- Attractive compensation combined with a supplemental retirement benefit program sponsored by the employer and further benefits (see also: Fringe-Benefit Catalogue of TU Wien)
- An employee-friendly environment in a city with an extraordinarily high quality of life

TU Wien is committed to increasing the proportion of women in particular in leadership positions. Female applicants are explicitly encouraged to apply. Preference will be given to women when equally qualified, unless reasons specific to a male applicant tilt the balance in his favour.

People with special needs are equally encouraged to apply. In case of any questions, please contact the confidant for disabled persons at the university, Mr. Gerhard Neustätter.

Entry level salary is determined by the pay grade B1 of the Austrian collective agreement for university staff. This is a minimum of currently EUR 3,578,80 month gross, 14 times/year for 40 hours/week. Relevant working experiences may increase the monthly income.

The Institute of Management Sciences works in close cooperation with Fraunhofer Austria Research GmbH.

**We look forward to receiving your application until 15.03.2024 to [sebastian.schlund@tuwien.ac.at](mailto:sebastian.schlund@tuwien.ac.at)**

Applicants are not entitled to compensation for travel and accommodation expenses incurred in connection with the admission procedure.