

## Stellenausschreibungen

An der Fakultät für Informatik der Technischen Universität Wien gelangen nachstehende Stellen zur Besetzung:

Die TU Wien strebt eine Erhöhung des Frauenanteils insbesondere in Leitungsfunktionen und beim wissenschaftlichen bzw. künstlerischen Personal an und fordert deshalb qualifizierte Frauen ausdrücklich zur Bewerbung auf. Bewerberinnen, die gleich geeignet sind wie der bestgeeignete Mitbewerber, werden vorrangig aufgenommen, sofern nicht in der Person eines Mitbewerbers liegende Gründe überwiegen. Wir sind bemüht, behinderte Menschen mit entsprechender Qualifikation einzustellen und fordern daher ausdrücklich zur Bewerbung auf. Bei Rückfragen wenden Sie sich bitte an die Behindertenvertrauensperson der TU Wien, Herrn Gerhard Neustätter, [gerhard.neustaetter@tuwien.ac.at](mailto:gerhard.neustaetter@tuwien.ac.at).

TU Wien is expanding its HCI research group with the goal of delivering more world-class research into the future relationship between humans and technology. We are searching for a talented Postdoctoral fellow to work at TU Wien, at the **Institute of Visual Computing and Human-Centered Technology**, in the **Research Unit of Human-Computer Interaction**. We offer a position as university assistant (post-doc) limited to 6 years for 40 hours/week. Expected start: July 2024.

**The emphasis of this position** is on the design, development, and evaluation of human-computer interfaces that enhance wellbeing for a diverse range of users. Recognising that wellbeing encompasses various aspects beyond physical activity, the project aims to design technologies that are inclusive and cater to the diverse needs and interests of different users. These different user groups include but are not limited to different age groups (e.g. children, older adults), user group constellations (e.g. families, health professionals), and both neurotypical and neurodivergent individuals.

**The primary goal** is to create engaging experiences that contribute to overall wellbeing, including mental, emotional, and social health. This involves designing systems that facilitate reflective practices, encourage social connectivity, and support personal growth in various dimensions of wellbeing.

### Tasks:

- The Postdoc will explore innovative approaches in HCI with a focus on wellbeing, establishing a research profile that examines the intersection of technology, user experience, and diverse user needs and interests. This research is inherently transdisciplinary, blending hands-on interface design with comprehensive user studies to create solutions that are accessible and beneficial to a wide and diverse audience
- As a Postdoc, you undertake goal of maturing as an academic and gaining experience towards becoming a faculty member. Typically, this means carrying out high-quality research, writing academic articles, and actively participating in the day-to-day supervision of PhD students
- The Postdoc is also expected to actively participate in writing applications for research funding. Additionally, you will spend two hours per week during term time on teaching duties, helping in courses offered by the University

### Your profile:

- Completed PhD or confirmed defence date in HCI or related area
- Interest and previous experience in the field of HCI for wellbeing for diverse user groups
- Excellent empirical study design skills
- Experience in conducting mixed-method user studies with diverse user groups
- Curiosity, independent working style and problem-solving skills
- Readiness to pursue publication in top-venues
- Very good skills in English communication and writing. Knowledge of German (level B2) or willingness to learn it

**We offer:**

- An international, vibrant, and exciting working team, located in the heart of Europe
- Hybrid working style
- A range of attractive social benefits (see [Fringe-Benefit Catalogue of TU Wien](#))
- Participating in establishing two new interaction laboratories at TU Wien
- Wide range of internal and external training opportunities, various career options.
- Access to travel and research funding
- Central location of workplace as well as good accessibility (U1/U4 Karlsplatz)
- Everyone deserves to feel at home at our research group. We welcome employees with a wide variety of backgrounds and perspectives

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 4,752.30/month gross, 14 times/year for 40 hours/week. Relevant working experiences may increase the monthly income.

**To apply, please submit the following documents:**

- **Personal letter, where you:**
  - Introduce yourself
  - Describe your previous experience of relevance for the position (e.g. education, thesis work and, if applicable, any other research activities)
  - Describe your future goals and future research focus
- **A complete CV**

**We look forward to receiving your application until April 11, 2024 on our job platform: <https://jobs.tuwien.ac.at/Job/229548>**

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We are looking for a PhD candidate to work at TU Wien, at the **Institute of Visual Computing and Human-Centered Technology**, in the **Research Unit of Human-Computer Interaction**. We offer a position as university assistant (prae-doc) limited to expected 4 years for 30 hours. Expected start: June 2024.

**We are searching** a talented PhD candidate to help us build an expand Human-Computer Interaction research at TU Wien. TU Wien is expanding its HCI research group with the goal of delivering more world-class research into the future relationship between humans and technology.

**The focus of the position** is on designing new interfaces for physically active users. With more than half of Europe's population being physically active, the focus of new technologies should shift from persuading users to be active to making physical activity more engaging. This project focuses on supporting users as they develop proficiency in sports, building systems that support growth while also helping better integrate physical activity in social lives, facilitating reflection and ensuring wide participation.

**Tasks:**

- The PhD student will investigate new frontiers in HCI for sports and build a research profile in studying technologies for wellbeing. The proposed research is transdisciplinary in nature and requires a strong interest both in hands-on interface development and in-depth user studies
- As a PhD student, you undertake the journey of becoming an expert in the field of HCI and a potential career academic. Typically, this means carrying out high-quality research, writing academic articles, and taking courses to complement your background. Additionally, you will spend one hour per week during term time on teaching duties, such as helping as teaching assistant in courses offered by the University

## Your profile:

- Completed master studies in computer science or equivalent university
- Interest and previous knowledge in the field of HCI for sports and/or personal informatics
- Excellent programming and empirical study design skills
- Curiosity, independent working style and problem-solving skills
- Readiness to pursue an excellent PhD
- The position requires sound verbal and written communication skills in English: Knowledge of German (level B2) or willingness to learn it

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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 2,684.10/month gross, 14 times/year for 30 hours/week. Relevant working experiences may increase the monthly income.

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  - Describe your previous experience of relevance for the position (e.g. education, thesis work and, if applicable, any other research activities)
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We are looking for a PhD candidate to work at TU Wien, at the **Institute of Visual Computing and Human-Centered Technology**, in the **Research Unit of Human-Computer Interaction**. We offer a position as university assistant (prae-doc) limited to expected 4 years for 30 hours. Expected start: July 2024.

**We are searching** a talented PhD candidate to help us build an expand Human-Computer Interaction research at TU Wien. TU Wien is expanding its HCI research group with the goal of delivering more world-class research into the future relationship between humans and technology.

**The primary aim** of the role is centered on innovating data representation within XR and VR environments for physically active users. Recognizing that a significant portion of Europe's populace engages in physical activities, the emphasis in technological advancement is now shifting. The goal is no longer solely to encourage activity, but to enhance the user experience in physical activities through immersive and interactive data visualization within XR and VR platforms. This project aims to leverage these technologies to assist users in visualizing and understanding their progress and performance in sports. It involves creating systems that not only foster skill development but also seamlessly integrate physical

activities into social interactions. This integration will be achieved through innovative data presentation methods that encourage reflection and broader participation.

## Tasks:

- The PhD candidate will explore groundbreaking opportunities in Human-Computer Interaction (HCI) specific to sports and wellbeing, with a strong focus on developing interfaces in XR and VR environments. This research is inherently transdisciplinary and calls for a keen interest in both the technical aspects of interface creation in immersive environments and conducting comprehensive user studies to understand the impact of these technologies on physical wellbeing and sports proficiency
- As a PhD student, you undertake the journey of becoming an expert in the field of HCI and a potential career academic. Typically, this means carrying out high-quality research, writing academic articles, and taking courses to complement your background.
- Additionally, you will spend one hour per week during term time on teaching duties, such as helping as teaching assistant in courses offered by the University

## Your profile:

- Completed master studies in computer science or equivalent university
- Interest and previous knowledge in the field of HCI for sports and/or personal informatics
- Excellent programming and empirical study design skills
- Curiosity, independent working style and problem-solving skills
- Readiness to pursue an excellent PhD
- The position requires excellent sound verbal and written communication skills in English. Teaching in German and English is expected.

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We look forward to receiving your application until April 11, 2024 on our job platform: <https://jobs.tuwien.ac.at/Job/229550>