TU WIEN Informatics

Stellenausschreibungen – Job postings

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 an und fordert daher qualifizierte Frauen ausdrücklich zur Bewerbung auf. Bei gleicher Qualifikation werden Frauen vorrangig aufgenommen, sofern nicht in der Person eines gleich qualifizierten Mitbewerbers liegende Gründe überwiegen. Wir sind bemüht, Menschen mit Behinderung 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.

The **Institute of Logic and Computation** in the **research unit of Theory and Logic** at TU Wien, is offering a position as student staff in research (StudMA) for 20 hours/week. The position is expected to start in September/October 2024. This position is expected to be limited to 12 months, and no longer than up until completion of a master's degree.

Tasks:
- Support in the critically assessing the Austrian labor market service (AMS) on their job consultation platform, the AMS Berufsinfomat which uses LLM-based services.
- Support in conducting a systematic critical literature review of existing algorithmic auditing approaches.
- Participating in interviewing stakeholders involved in developing and maintaining that system for a human centered understanding of the mental models guiding such systems.
- Contributing to the development of principle-based recommendations to ethically auditing LLM-based services in general.

The project is a collaboration between the Theory and Logic Group and the Human Computer Interaction Group at TU Wien, and the company implementing and maintaining the service for the AMS, goodguys gmbh.

Your profile:
- Enrolled in a relevant master's program (Logic and Computation, Human-centered computing, Visual Computing, Medical Informatics, or others related to Computer Science).
- Familiarity with LLMs, critical thinking, fairness and bias in machine learning (all are prerequisites).
- Strong affinity with AI Ethics is recommended but prior experience is not required.
- Language: English work proficiency.

We offer:
- Hybrid working style.
- The student employee will be fully embedded in the Research Unit of Theory and Logic and will participate in the research and social activities of the group.
- A range of attractive social benefits (see Fringe-Benefit Catalogue of TU Wien).
- Entry level salary is determined by the pay grade C of the Austrian collective agreement for university staff. This is a minimum of currently EUR 1,299.60/month gross, 14 times/year for 20 hours/week.

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We look forward to receiving your application until September 26, 2024 on our job platform: https://jobs.tuwien.ac.at/Job/238977

TU WIEN Informatics

At the **Institute of Visual Computing and Human-Centered Technology**, in the **Research Unit of Computer Graphics** TU Wien in cooperation with the Center for Geometry and Computational Design at TU Wien is offering a position for exceptionally talented and highly motivated student in research/administration for 20 hours/week. Expected start: October 2024. This position is limited until 28.02.2025, but no longer than the completion of a master's or diploma degree.

This interdisciplinary Special Research Programme https://acd.tuwien.ac.at/ aims to develop advanced computational design tools for the early design phase in Architecture, Engineering and Construction in eight scientific subprojects spanning computer science (visual computing), architecture, civil engineering and mathematics.

For this project we are looking for candidates currently enrolled in a Master's programme, interested in software engineering and computer graphics. The main task for assistants will be to support and implement network communication interfaces that allow the integration of components developed by individual subprojects of ACD into a Unity-based virtual and mixed reality platform.

Tasks:
In particular, the assistants are expected to perform the following tasks:
- Support in the implementing Unity plugins to integrate features from subprojects into the VR/MR platform
- Assistance in the implementing a data synchronisation system to communicate scene changes
- Documenting the developed communication interfaces
- Tracking development progress via a web-based project management system
- Help with converting between various data formats for scene data (volume/surface meshes, point clouds, voxels, etc.)

Your profile:
- Enrolled in a relevant Master's program e.g. Software Engineering; No master's degree in this field
- Good general programming skills
- Understanding of common scene representation formats (meshes, signed distance functions, etc.)
- Experience with programming for Unity plugins
- Experience with shader programming in GLSL/HLSL and graphics programming via the Vulkan API
- Team- and communication skills

We offer:
- A wide variety and exciting range of tasks in a collegial team
- Hybrid working style
- A range of attractive social benefits (see Fringe-Benefit Catalogue of TU Wien)
- Wide range of internal and external training opportunities, various career options
- Central location of workplace as well as good accessibility (U1/U4 Karlsplatz)

Entry level salary is determined by the pay grade C of the Austrian collective agreement for university staff. This is a minimum of currently EUR 1,299.60/month gross, 14 times/year for 20 hours/week.

We look forward to receiving your application until September 19, 2024 on our job platform: https://jobs.tuwien.ac.at/Job/239189

TU WIEN Informatics

At the **Institute of Visual Computing and Human-Centered Technology**, in the **Research Unit of Human Computer Interaction** TU Wien is offering a position as student staff in research/administration for 15 hours/week. Expected start: October 2024. This position is limited to one year, but no longer than the completion of a master's or diploma degree.

Tasks:
The primary focus of this position will be to assist with the establishment of two new interaction laboratories, including setting up equipment and providing technical support to PhD students involved in research. It is also expected that the student assistant will assist to write operating instructions for various equipment, in English and German. Strong technical and logical thinking skills are crucial, as well as a keen interest in Human-Computer Interaction (HCI). As we are a transdisciplinary team, we particularly look for those who do not come from a strict computer science background.

Key responsibilities:
- Assist in establishing and setting up two new interaction labs, including managing and organising highly sensitive technical equipment
- Provide technical support to PhD students in research tasks, including the use of 3D printing, makerspace and lab resources
- Contribute to research in HCI, including interdisciplinary tasks involving interface development, immersive technologies (XR, VR), and werables
- Support administrative tasks such as event organization, lab management, and project documentation

Your profile:
- Enrolment as a student at TU Wien; No master's degree in this field
- Experience in working in a tech organization (e.g., start-up, research lab)
- Experience in working in an international team
- Proficiency with 3D printing and makerspaces
- Strong technical and logical thinking skills
- A keen interest in Human-Computer Interaction (HCI)
- Training in first aid and/or work safety
- Strong communication skills in both German and English (German is strongly preferred, due to organisational duties)

We offer:
- A vibrant and supportive international research environment
- Flexible working hours: 15 hours per week, initially for 12 months
- Hybrid working options and a central location in the heart of Europe
- Hands-on involvement in the development of two state-of-the-art research labs at TU Wien
- Access to training and career development opportunities

Entry level salary is determined by the pay grade C of the Austrian collective agreement for university staff. This is a minimum of currently EUR 974.70/month gross, 14 times/year for 15 hours/week.
If you are passionate about interdisciplinary research, have experience in tech and makerspaces, and are eager to contribute to ground-breaking projects at TU Wien, we encourage you to apply!

To apply, please submit the following documents:
- A complete CV
- A personal letter introducing yourself, describing your relevant experience (e.g., education, thesis work, and any prior research or technical activities)

We look forward to receiving your application until September 12, 2024 on our job platform: https://jobs.tuwien.ac.at/Job/238956