TU WIEN Informatics

Stellenausschreibungen

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

CAIML, the Center for Artificial Intelligence and Machine Learning at TU Wien, is offering a position as University Assistant (Prae-doc) limited to expected 4 years for 30 hours/week. Expected start: May 2023
The mission of CAIML is to establish TU Wien as an Austrian center of excellence in artificial intelligence and machine learning, both in their foundations as well as in their applications and to be a leader in (1) methods of artificial intelligence, (2) methods of machine learning and (3) explainable artificial intelligence and artificial intelligence aspects of digital humanism. CAIML is a joint center of the Faculty of Informatics and the Faculty of Mathematics and Geoinformation.

TU Wien is one of the most successful technical universities in Europe and the largest one in Austria and home to CAIML. The Faculty of Informatics of TU Wien is a leading research and teaching institution which consistently ranks among the top 100 computer science faculties in the global Times Higher Education ranking. In the heart of Europe, Vienna has a distinguished history in mathematics, computer science, and logic research and offers one of the highest living standards in the world.

The doctoral position is open to national and international high-potential early-stage students with a strong background in at least one of the fields of Computer Science, Mathematics, and Philosophy, and in topics including:

- Explainable Artificial Intelligence
- Fairness and Transparency of AI Systems
- Digital Humanism

Tasks:
- Collaboration on research tasks
- Research and project activity
- Writing publications
- Participation in scientific events

Your profile:
- Completion of a master or diploma curriculum in one of these fields: Computer Science, Mathematics, Philosophy (Digital Humanism)
- Skillful in computational work
- Good didactic skills
- Very good skills in English communication and writing. Knowledge of German (level B2) or willingness to learn it in the first year.
- Interest in research in the field as well as supervision and work with students
- Very good communicative skills and team competences and innovative ability

We offer:
- Continuing personal and professional education and flexible working hours
- Hybrid working style with up to 60% home office option
- A range of attractive social benefits (see [Fringe-Benefit Catalogue of TU Wien](#))
- A creative environment in a city with one of the best standards of living in the world
- Central location of workplace as well as good accessibility (U1/U4 Karlsplatz)

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 2,458.00/month gross, 14 times/year for 30 hours/week. Relevant working experiences may increase the monthly income.

We look forward to receiving your application until April 20, 2023 on our job platform: https://jobs.tuwien.ac.at/Job/204860

Am **Institut für Visual Computing and Human-Centered Technology**, im Forschungsbereich Computer Graphics ist eine Stelle als Studentische_r Mitarbeiter_in in Forschung und Verwaltung, voraussichtlich ab April 2023 (20 Wochenstunden) mit folgendem Aufgabengebiet zu besetzen. Diese Stelle ist auf 1 Jahr befristet, längstens jedoch bis zum Abschluss des Master- oder Diplomstudiums.

Ihre Aufgaben:
- Illustrative 3D Visualisierung von großen digitalen Geländemodellen für optimierte Navigation und Orientierung im alpinen Gelände
- Entwicklung von Echtzeitlösungen für 3D Rendering von Geländemodellen im Web
- Integration und Aufbereitung von Daten aus verschiedenen Quellen
- Mitarbeit bei Organisations- und Verwaltungsaufgaben im Bereich der Lehre

Ihr Profil:
- Inskription eines facheinschlägigen Studiums der Fachrichtung Visual Computing; Kein abgeschlossenes Master- oder Diplomstudium der Fachrichtung
- Sehr gute Programmierkenntnisse im Bereich web-basiertes Echtzeitrendering und -visualisierung
- Sehr großes Interesse an Visualisierung, Human-Computer Interaction und Computergraphik
- Team- und Kommunikationsfähigkeit
- Sehr gute Englischkenntnisse in Wort und Schrift

Wir bieten:
- Vielfältiges und spannendes Aufgabengebiet
- Einblicke und erste Erfahrungen mit wissenschaftlichem Arbeiten an der Schnittstelle von Visualisierung und Human-Computer Interaction
- Aktive Einbettung in ein international bekanntes Forschungsteam
- Eine Reihe attraktiver Sozialleistungen (siehe [Fringe-Benefit Katalog der TU Wien](#))
- Zentrale Lage sowie gute Erreichbarkeit (U1/U4 Karlsplatz)

Die Entlohnung erfolgt nach dem Mindestentgelt der Gehaltsgruppe C gemäß dem Kollektivvertrag für Arbeitnehmer_innen der Universitäten und beträgt bei einem wöchentlichen Beschäftigungsausmaß von 20 Stunden derzeit EUR 1.190,00 brutto/Monat (14x jährlich)..

Wir freuen uns auf Ihre Bewerbung bis 30.3.2023 auf unserer Job-Plattform: https://jobs.tuwien.ac.at/Job/205016

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In the Research Unit Automation Systems, E191-03, a PhD-Position (m/f/d): Industrial Internet of Things is to be filled from April 1st, 2023 until March 31st, 2026, 40 hours a week.

The Research Unit Automation Systems part of the Institute of Computer Engineering (Faculty of Informatics) of TU Wien is researching concepts for the Industrial Internet ofThings (IIoT), focusing on the digitalization of Industry 4.0, Smart Energy Grids, and Smart Buildings. In these domains, we are building cyber-physical systems (CPS) with safety and security aspects in mind. Many of our projects deal with integrating runtime data and prediction models into these CPSs, building so-called "Digital Twins" to optimize the underlying system or process.

To support our team, we are looking for someone to assist us in national and international research projects focusing on digital twinning. Your activities will include the development of new concepts in this area as weil as implementing proofs-of-concept. Furthermore, you will publish your findings in scientific journals and have the possibility to participate in international conferences worldwide.

With the position, the opportunity to pursue a Ph.D. and work with cutting-edge technologies in the area is associated. Through the comprehensive internal training offering at TU Wien, you can also improve your personal skills to prepare for your future research or industry career.

Profile:
- Master degree in computer science/informatics (or similar programs)
- Interest in research in information technology with a focus on industrial control systems and information modeling (IT/OT convergence)
- Excellent knowledge of English and good German language skills
- Ability to work in a team, collaborate effectively with other PhDs, interest in interdisciplinary work

We offer flexible working hours to support your work-life balance, exchange with other Ph.D. students, and support from experienced researchers in our team. The employment contract will run for 3 years (up to 40 hours a week) with option for extension and a gross salary of € 45.882,20 p.a (40h).

The application deadline is March 30th, 2023.

Please send your application to: Personaladministration, Fachbereich wiss. Personal der TU Wien, Karlsplatz 13, 1040 Wien or contact@auto.tuwien.ac.at
Candidates are not eligible for a refund of expenses for travelling and lodging related to the application process.