

At HafenCity University the following position is expected (subject to funds) to be available in our cooperation project UNITAC Hamburg (The United Nations Innovation Technology Accelerator for Cities)

Research Associate
UNITAC Data Scientist Ukraine
(Salary group 14 TV-L)

at the earliest possible date to support in research with 100% of the regular working time. The position is limited until 31.12.2025.

ABOUT US

The HafenCity University Hamburg, University of Architecture and Metropolitan Development (HCU) is a university that focuses on the built environment. The HCU unites all aspects of building and design, engineering, and natural sciences as well as geoscientific and social sciences under one roof.

UNITAC Hamburg is a partnership between the United Nations Human Settlements Programme (UN –Habitat), the United Nations Office for Information and Communication Technology (OICT) and HafenCity University. In this project, UNITAC in collaboration with the City Science Lab at HafenCity University, explores the potential of digital technologies, data, and innovations for sustainable urban development. The project works with a variety of applied, innovative and prototyping research methods and develops innovative solutions primarily for cities located in the Global South. These methods aim to accelerate the achievement of the UN Sustainable Development Goals (SDGs) related to cities and urbanization.

The position is assigned to the professorship of Prof. Dr. Gesa Ziemer, who is also the academic lead of UNITAC Hamburg.

THE PROJECT

The BMZ-funded **UNITAC project »Just transitions in vulnerable places – towards inclusive, smart and resilient urban recovery in Ukraine«** aims to develop digital urban data platform and engage with and support national, sub-national and local government institutions to improve the efforts for climate resilience and smart urban recovery of the communities affected by crisis in Ukraine by evidence-informed and participatory decision-making processes towards localizing the 2030 Sustainable Development Agenda and the New Urban Agenda.

YOUR TASKS AND RESPONSIBILITIES

Your main tasks will be linked to applied research and development of sustainable technology and data solutions for cities in Ukraine as well as the partner organizations UN-Habitat and OICT. These solutions will be implemented and tested in the Ukrainian context and will relate to the following three topics:

1. Open, transparent, and participatory management of data and digital platforms
2. Mapping, spatial analysis, data analytics and visualization
3. People-centered smart cities

You will work in an interdisciplinary team of urban development, innovation, and technology specialists with a passion for sustainable cities, international development cooperation, and digital innovation. And you will work in strong collaboration with our partner organizations UN-Habitat and OICT.

MANDATORY REQUIREMENTS

- a completed PHD in Data Science, Computer Science, Geoinformatics, or topic-related subjects
- an academic degree (Master or equivalent) in the above-mentioned subjects
- You may also apply, if you have not completed a PHD in the above-mentioned subjects. In this case the salary group is 13 TV-L with the corresponding tasks and responsibilities.

ADDITIONAL REQUIREMENTS

- experience in implementing open data management/ platforms and (geospatial) data standards (e.g., OGC) with a focus on the data collection and transformation side of the process
- previous involvement in data collection from either on-site sources (e.g. sensor data and surveys) or REST APIs, web scraping, and other third-party partners is highly acknowledged
- experience in ETL process: data extraction, orchestrating data pipelines, and data transformation using Apache Airflow (other data orchestration tools would be an advantage)
- previous experience with applied statistics, machine learning algorithms (classification, prediction, and deep learning methods), and at least one machine learning tool (e.g., TensorFlow, Pytorch, or Keras)
- advanced programming skills in Python (other programming languages such as R, JavaScript, C++, etc. would be an advantage)
- experience in working in and/or collaborating with a wide range of urban development and innovation stakeholders at the local and international level, such as e.g., government agencies, civil society organizations, start-ups, research institutions, city networks, etc.
- fluent in written and spoken English (Ukrainian is highly appreciated)
- previous working experience in the Ukrainian context is highly appreciated.

INTERESTED? WE ARE LOOKING FORWARD TO YOUR APPLICATION

In addition to an informative cover letter in which you explain to what extent you meet the stated qualifications the following documents should also be submitted:

- tabular curriculum vitae
- proof of qualifications
- current appraisal or current certificate (see also notes on the application and selection process),
- relevant proof of further training
- proof of your severe disability or equal status (if available)
- declaration of consent to inspect your personnel file, stating the office responsible for the personnel file (only for applicants from the public sector)

For questions and further information, do not hesitate to contact Dr. Sophie Naue, +49 (0) 40 42827-5621.

The applicant's classification in regards to the level of experience within the advertised TV-L pay group is based on the candidate's individual work experience and reviewed by the HR department. Legally binding statements can only be made by the HR department of the HCU.

Please send your application (including CV, cover letter, and copies of relevant certificates), no later than 13.01.2023 (preferably by email as one PDF file) to:

E-Mail: hcu-bewerbung@vw.hcu-hamburg.de

**HafenCity Universität
Personalverwaltung
Stellen-Nr.: 2022-137
Henning-Voscherau-Platz 1
20457 Hamburg**

Please include the reference number **"2022-137"** in your application.

Please be aware that in case of an invitation to an interview, HCU will not be able to cover any expenses for travel and lodging.

Due to the high number of applicants, the HCU will not be able to return application documents. Therefore, please do not submit originals of certificates. If you add a post-paid envelope, the HCU will return your application documents.