

Open Position

Design Engineer at New York University Abu Dhabi

The Lab for Narrative Technologies and Spatial Installations (NTSI Lab, www.ntsi.info) is seeking a full time Design Engineer to work on a two year long research project "Urban Perspectives" starting in September 2019.

The NTSI Lab is an interdisciplinary Design Research Lab in the Engineering Department of New York University Abu Dhabi (NYUAD), based in the United Arab Emirates. The lab's focus lays on project work in the fields of Future Technologies, Experimental Sustainable Designs, and Social Compositions & Communal Infrastructures. Being part of the Center for Interacting Urban Networks (CITIES) the Design Engineer will work on the documentation of urban landscapes using 3D scanning technologies, and new visualisation methods.

Main responsibilities contain the set-up of the project's infrastructure (hard- and software) and testing of existing solutions related to 3D scanning urban environments (including but not limited to photogrammetry using drone recorded data, and other available scanning devices). Generated 3D data will be transferred into medial applications including augmented physical models and VR/AR applications. The Design Engineer will actively work on embedding sample use-cases into actual research projects with the goal to document the rapid change of cities located in the UAE.

By recording 3D data from the ever changing cities in the UAE, and by translating such data into medial experiences the research team plays an active role in documenting the drastic change of cities in recent history, and secures this knowledge for future generations. The team collaborates with researchers from American University of Sharjah (College of Architecture and Design) and Zayed University Dubai (College of Arts and Creative Enterprises).

Requirements

- Degree in Design or Engineering
- Excellent communication skills
- Informative and meaningful project portfolio
- Experienced with 3D software (Cinema 4D, Unity or similar), and AR/VR technologies

Key Data

- Full time position
- Two year contract (09/2019-09/2021)
- Competitive hiring package
- Workplace: NYU Abu Dhabi, NTSI Lab, building A5, room 015-2

More information about NYUAD:

<https://nyuad.nyu.edu/en/about/nyuad-at-a-glance.html>

More information about living in Abu Dhabi:

<https://nyuad.nyu.edu/en/campus-life/living-in-abu-dhabi.html>

NYUAD is an employer of choice both globally and within the Gulf region. It aims to offer the highest level of both traditional and regionally competitive benefits.

In line with those offered at NYU New York, NYUAD's traditional benefits include health, life, and disability insurances, as well as retirement benefits and tuition remission.

The University's most competitive benefits are those that have been customized due to regional needs and practices in order to hire and retain the best available talent. They include housing assistance, a transportation allowance, a home-leave travel allowance, and private school tuition for employees' children, as well as annual vacation days and UAE statutory holidays.

NYUAD strives to ensure that employees and their families enjoy a comfortable work and life standard by providing a high level of employee benefits support.

For questions please contact Prof Felix Beck via email. For consideration, e-mail your application and a PDF with cover letter, portfolio, and curriculum vitae to Prof. Felix Beck (felix.beck@nyu.edu).