

Open position

Application deadline: 31 March 2017

Reference number: 0201W/17

The Cologne Game Lab (CGL), an institute of the Cultural Sciences faculty at TH Köln - University of Applied Sciences, is seeking to fill the following part-time (31,864 hrs/week) position through April 30th 2019.

Research Assistant for the project “Procedural Generation of Game Content”

It is expected that the successful candidate will obtain a doctorate within the subject area of the project.

Your responsibilities

As team member of the “Procedural Generation of Game Content” (PES) project, you will research innovative and procedural methods in the generation and application of content in commercial game products, in collaboration with Blue Byte GmbH (a cooperation partner of CGL). Your responsibilities include the research and development of PES methods and test procedures in the context of commercial game development, the analysis and documentation of the fundamentals, acquired knowledge, and the examination of the application of PES methods within an academic context and in relation to future research and development proposals; for example, the application of artificial intelligence or “machine learning”. You will also establish a library based on the PES-tool kit created within the parameters of the project as well as further usage in C++ open source development environments (e.g. Unreal 4). Furthermore you will be responsible for up to 3 SWS of teaching duties.

Your profile

- Possession of a Master’s degree in a relevant field, for example Informatics.
- Advanced knowledge of C-/C++ programming and experience with Visual Studio.
- Proficiency in application development in Windows (especially WPF).
- Experience with the Unreal 4 Engine, 3D programming and Direct3D.
- Understanding of game design and the structures and mechanics of digital games (preferred).
- Strong command of the English language and confidence in academic/scientific writing.
- Proactive, independent, and well-structured work principles.

What we offer

- You will profit from our ongoing training and continuing education courses.
- You are eligible for a discounted public transportation pass (VRS-Großkundenticket).
- You will take part in the supplementary pension program of the Federal and State Government Employees Retirement Fund (VBL).
- You will receive the collective wage contract for pay category 13 (TV-L).

Severely disabled persons with equal qualifications will be treated preferentially.

We offer an inspirational work environment to 1,600 employees and 23,600 students. Technology, Arts, Sciences reflects our academic diversity, our interdisciplinary approach, and our internationality. With this concept we consider ourselves a model for the future in teaching and research.

We foster a culture of enablement and cooperation between colleagues. International scientific standards, gender equality and inclusion are the guiding principles of our human resources development. We encourage and support the reconciliation of family and work life.

Questions on the recruitment process to:

Manfred Klaus

T: + 49 221-8275-3127

E: manfred.klaus@th-koeln.de

Gustav-Heinemann-Ufer 54

50968 Cologne

Please send your application with the necessary documentation by 31 March 2017 under the **reference number 0201W/17** to the

President of the TH Köln

Attn. Manfred Klaus

Gustav-Heinemann-Ufer 54,

50968 Cologne, Germany

Please note that we will not be returning your application documents.