Prof. Dr. Matthias Niessner
Visual Computing & Artificial Intelligence
Technical University of Munich

PhD and PostDoc Positions in Visual Computing / Machine Learning

The Visual Computing & Artificial Intelligence Group at the Technical University of Munich is looking for highly-motivated PhD students and PostDocs at the intersection of computer vision and machine learning. The positions are fully-funded with payments and benefits according to German public service positions (TV-L E13, 100% for PhDs and TV-L E14, 100% for PostDocs; 45k – 57k Euro / year + benefits).

Topic / Area: The positions are flexible in terms of research direction within 3D vision with a heavy focus on cutting-edge deep learning-based techniques. We are particularly interested in static and dynamic 3D reconstruction, semantic scene understanding, and generative models for photo-realistic image/video synthesis. Overall, the main focus is on high-impact research with the aim to revolutionize the research field in 3D learning.

Qualification:

- Applicants for a PhD must hold a Master's degree in computer science or equivalent
- Fluent written and spoken English skills are essential
- Expert coding skills (this is critical and will be tested)
- Experience with deep learning frameworks (TensorFlow / PyTorch)
- Excitement, self-motivation, and commitment to revolutionize the field
- *Post Doc Applicants Only*: academic track record with publications at top-tier venues in computer vision, graphics, or machine learning (CVPR, ECCV/ICCV, Siggraph, Siggraph Asia, NeurIPS, ICML, ICLR)

How to Apply:

- Documents required: **CV, research statement, BA and MA transcripts, MA thesis** [optional]
- Ask **two recommenders** who know your work to directly email recommendation letters
- Send all documents (incl. rec. letters) directly to Prof. Matthias Niessner (niessner@tum.de)
- Please understand that we cannot review incomplete applications

TUM and VC & AI Lab: The Technical University's computer science department is the Top-1 ranked computer science department in Germany. Our culture is highly international with over 40% international students in the MA program. The visual computing lab embraces its diverse culture, and is proud to host seven PhD students from 5 different countries and 19 Master students from 10 different countries. Our lab language is English.

Website: https://niessnerlab.org/openings.html