

PhD and PostDoc Positions in Visual Computing & AI

The Visual Computing & Artificial Intelligence Group at the Technical University of Munich is looking for highly motivated PhD students, interns, 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). For interns, we offer a stipend to cover living expenses. Click here to learn more about our research.



Topic / Area: The positions are flexible in terms of research direction within 3D vision and graphics 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.

Research topics include:

- Neural Rendering: 3DGS, NeRF, etc.
- Generative AI: Diffusion, LLMs, GANs, etc.
- 3D Reconstruction
- SLAM / Pose Tracking (SfM, MVS)
- Semantic 3D Scene Understanding
- Face / Body Tracking, 3D Avatars
- Non-Linear Optimization
- Media Forensics / Fake News Detection

How to Apply:

- Follow the instructions on our application platform: <https://application.vc.in.tum.de/>

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 50% international students in the MA program. The visual computing lab embraces its diverse culture, and is proud to host PhD students from over 10 different countries. Our lab language is English.

