

Postdoc/PhD candidate (f/m/d): Deep Learning for Image Analysis & Visualization

[VRVis](#), Austria's largest research institute for Visual Computing, is seeking a skilled and creative mind, who is keen on a combination of cutting-edge research in [Deep Learning Solutions](#) for Image Analysis and Visualization, to join our successful team of researchers. The position is located within the [Biomedical Image Informatics Group at VRVis](#) in Vienna, Austria, performing projects in the medical and industrial sector. We undertake our research in close collaboration with our company partners and the [Computer Graphics Research Unit at TU Wien](#), i.e. combining scientific and industrial environments into a vibrant research ecosystem.

Your responsibilities

- Aim at developing novel machine learning - especially deep learning - based methods for image and data analytics and/or rendering solutions, i.e. help optimize the visualization and real-time analytics of time dependent 3D ultrasound data, on medical image analytics and acceleration of radiological workflows, as well as image analysis for manufacturing.
- Work in close collaboration with our industry and academic partners as you will be embedded in one of our ongoing research projects depending on your scientific profile and qualification.
- Enjoy working in an applied research environment, seeking both, high quality academic publications and the development of cutting-edge solutions for our industry partners working in real-world settings.
- Project management and acquisition tasks and/or supervision of students, as well as presentation and publication of your research results at scientific conferences and renowned journals could be tasked to you.
- Also, in case you do not yet own a PhD, there is the opportunity to pursue a PhD at TU Wien or another of our partner universities.

What you will bring to the team

- PhD or master's degree in computer science, statistics, math, or another technical field related to image analytics and machine learning, especially deep learning, with relevant practical experience
- Strong programming skills in Python and experience in C++; additional coding skills are favorable
- Proven project experience with current state-of-the-art machine learning frameworks like TensorFlow or PyTorch
- Ability to work in an international and diverse team as well as independently
- High level of independent problem solving and creative thinking, coupled with a good team spirit
- Excellent communication skills, preferably English and German

Nice to have

- Familiarity with (medical) visualization, in particular volume rendering, volume segmentation, graphics and shader programming, and (medical) imaging in practical settings.

What we offer in return

- Open-ended contract, up to 40 hours per week
- Location: Vienna, Austria
- Office easily accessible via public transport
- Flexible working hours, home office possible
- Well-equipped workplace
- Supportive atmosphere in an inclusive team
- Possibility to travel to international conferences like CVPR, NeurIPS, Eurographics and/or IEEE VIS
- Salary according to collective labor agreement, [IT-Kollektivvertrag](#), with overpay depending on qualification and previous professional experience

Contact

Please forward your application including your CV, motivational letter, recommendation letters/references to Franziska Steyer-Beerman (HR) via fsb@vrvis.at by January 31, 2022 at the latest.

