

PhD/Data Scientist (f/m/d): Biomedical Image Analysis and Visualization

VRVis is seeking a skilled and creative mind, who is keen on a combination of cutting-edge research in deep learning and visualization software development, to join our successful team of researchers developing [Deep Learning Solutions](#) for Biomedical Image Analysis. The position is located within the [Biomedical Image Informatics Group at VRVis](#) in Vienna, Austria. 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

You will perform applied research on the optimization of visualization and analytics of time dependent 3D ultrasound data. Your goal will be the development of novel machine learning - especially deep learning - based methods for improving rendering and framing of medical images within clinical settings. While being embedded in a supporting team of experienced visualization and deep learning specialists, you will work in close collaboration with our industry and academic partners.

Your work is characterized by a high level of independent problem solving and creative thinking, coupled with a good team spirit and excellent communication skills. Depending on your qualification, project management tasks and/or supervision of students may be assigned to you. As research institute, VRVis actively supports the publication of your excellent research results at scientific conferences and renowned journals. In case you do not yet own a PhD, there is the opportunity to pursue a PhD at TU Wien.

Minimum qualification

- PhD or master's degree in computer science, statistics, math, or another technical field related to
- medical imaging and machine learning, especially deep learning, with relevant practical experience
- Strong programming skills in Python and experience in C++; additional coding skills are favorable
- Hands on 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
- Creative problem solving skills; high willingness to learn, and to think outside the box
- Excellent communication skills

Nice to have

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

What we offer in return

- Open-ended contract, up to 40 hours per week
- Flexible working hours, well-equipped workplace
- Possibility to travel to international conferences like CVPR, NeurIPS, Eurographics and/or IEEE VIS
- Location: Vienna, Austria; easily accessible office by means of public transport
- Salary according to collective labor agreement (IT-Kollektivvertrag) including bonus for 13th and 14th month, monthly min. 3094, - EUR, overpay depending on qualification and previous professional experience
- Supportive atmosphere in an inclusive team in the #1 city to live in worldwide

Application deadline: 31.03.2021

We especially encourage female candidates to apply! Therefore, in cases of equal qualification, preference is given to female candidates.

Please forward your application including CV, motivational letter, references to:

Franziska Steyer-Beerman (HR)

fsb@vrvis.at

<http://www.vrvis.at>

