

Project Assistant / PhD position in Medical Deep Learning and Augmented Reality

40 h/week, starting now

We are looking for a highly motivated candidate with a background computer graphics and vision, Augmented Reality (AR), deep learning (DL) and / or medical imaging to work on an interdisciplinary research project about medical AR in oral- and maxillofacial surgery.

Responsibilities:

- Planning and execution of research in the area of medical DL and AR
- Development and evaluation of algorithms / tools for medical DL / AR in cooperation with surgeons from the department of oral- and maxillofacial surgery, Medical University of Graz
- Publication of research results and authoring of a PhD thesis
- Supervision of Bachelor and Master students during their thesis work

Conditions of admission:

- M.Sc. degree in relevant field (CS, SE, BME, ...)

Qualifications:

- Knowledge of English at an advanced level (written and spoken)
- Solid programming skills (e.g. C++, C#, Python)
- Prior experience in computer graphics and vision
- High motivation, self-initiative, passion and commitment to research
- Interest in AR, medical image processing and scientific working. Prior experience and knowledge are an advantage.

Contact

Please send your application including the usual material (CV, motivation letter, M.Sc. thesis or published papers, list of grades) to Christina Schwarz-Gsaxner (christina.gsaxner@icg.tugraz.at) or Jan Egger (egger@tugraz.at).