Vacancy: Deep learning developer

As a deep learning developer at MRIguidance, a UMC Utrecht spin-off company, you will apply the newest deep learning methods on unique 3D medical image data sets of real patients to develop algorithms that characterize human anatomy and aid doctors and patients in hospitals worldwide.

What you tell at birthdays about your job

“My software prevents cancer in patients that need to undergo a bone scan. It creates images that help doctors to better diagnose and cure their patients.”

What you actually will be doing

You will be a key contributor to the core development of our MRI data analysis pipeline for the visualization and characterization of different human tissues. You are an innovative thinker who will be developing deep learning methods and algorithms, exploiting our unique patient data sets. You like to learn new things. With the team, you will integrate these solutions into our products. Your results will boost our technology and help us to achieve high quality, clinical grade products. Your solutions will soon be used in clinical patient examinations. You will use agile and scrum methods and work in vibrant entrepreneurial team of image scientists and developers.

Your responsibilities:

- perform deep learning experiments with unique medical images;
- prototyping of clinical imaging solutions;
- development algorithms for clinical use;
- develop the newest algorithms for MR image analysis;
- incorporate clinical end user feedback into your systems.

Qualifications

Minimum qualifications:

- a bachelor or master’s degree in computer science, mathematics, statistics or a related discipline;
- programming skills, preferably in Python, experience with code version control (i.e. Git);
- experience with developing deep learning methods;
- ability to speak and write in English fluently.

Preferred qualifications:

- experience with cloud-based development and/or deployment (using e.g. AWS), virtualization and containerization (i.e., Docker);
- experience with (medical) imaging and/or computer vision development tools;
- interest in developing clinically oriented imaging solutions;
- ability to communicate and collaborate effectively with imaging researchers and clinical specialists;
- the desire to work in a dynamic environment of a start-up company.
About MRIguidance BV

During their research MRI physicist Peter Seevinck and medical image scientist Marijn van Stralen identified great unused potential for MRI-based medical imaging technologies. Together with Roel Raatgever, former director of Europe’s no.6 academic business incubator UtrechtInc, they have founded UMC Utrecht spin-off company MRIguidance. The team of MRIguidance actively collaborates with hospitals in the Netherlands and abroad to acquire unique patient data sets and clinically validate the results of the deep learning developments. MRIguidance’s products will improve diagnosis and treatment decisions. Through collaboration with 3D medical printing partners (e.g. 3DMedical), their imaging solutions will serve as input for 3D printed personalized implants and medical devices.

Our offer

This is what we offer you:

- a market conform salary;
- a unique opportunity to, already at an early stage, become part of a med-tech start-up with vast growth potential;
- the possibility to get a stake in the company;
- work with interesting 3D medical imaging data sets from real patients;
- work on complex problems and see direct (visual) result;
- work that has a positive impact on people’s health and life;
- work with the newest deep learning methods using Keras and TensorFlow (and get training on the job);
- state of the art hardware and computational infrastructure;
- work in a team of smart, ambitious, and like-minded people;
- work with international partners;
- freedom and responsibility;
- work at our beautiful office at Maliesingel 29 in Utrecht.

Additional information

For more information about this position please contact Roel Raatgever by email (roel@mriguidance.com) or simply give us a call (+31 624 674 383). To apply, please send a motivation letter and your CV.

Application closes May 21, 2018.

Acquisition regarding this vacancy is not appreciated.