Vacancy: Deep learning engineer

As a deep learning engineer at MRIguidance, a UMC Utrecht spin-off company, you will apply the newest deep learning methods on unique 3D medical image datasets 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 tissues types. You are an innovative thinker and will be working in the intersection of medical image analysis and the development of deep learning methods and algorithms, applied to real patient data. You like to learn new things and get things done. 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:
- Image data management and wrangling
- develop and test algorithms for MR image analysis;
- perform and evaluate deep learning experiments with real patient data;
- prototype clinical imaging solutions;
- translation of prototypes into products for clinical use;

Qualifications

Minimum qualifications:
- a bachelor or master's degree in computer science, medical physics, biomedical engineering or a related discipline;
- programming skills, preferably in Python;
- experience with image analysis and deep learning methods;
- ability to speak and write in English fluently.
- teamplayer

Preferred qualifications:
- experience with medical imaging and/or computer vision development tools;
- experience with code version control (i.e. Git) and cloud computing (e.g. AWS);
- ability to communicate and collaborate effectively with imaging researchers and clinical specialists;
- the desire to work in a dynamic environment of a young and fast growing medical technology company.

About MRIguidance BV

During their research MR 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 are used for surgical planning and guidance.

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 frameworks (Keras/TensorFlow, PyTorch) 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 in the center of Utrecht.

Additional information

We believe diversity is beneficial for the creativity and a good atmosphere in our company . However, Dutch regulation makes it very complicated for smaller companies to help people from outside the EU with a work visa. Therefore, all people are welcome to apply, as long as we do not have to arrange a work visa.

For more information about this position please contact Roel Raatgever by email (roel@mriguidance.com) or simply give us a call (+31 (0)85 4000 810). To apply, please send a motivation letter and your CV. Application closes July 16th, 2019.

Acquisition regarding this vacancy is not appreciated.