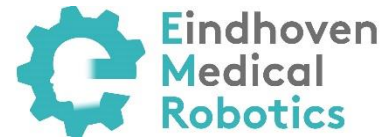


Join our Team!



Software Engineer Medical Image Processing



About the job

Eindhoven Medical Robotics develops high-precision autonomous surgical robots. The robots need accurate pre-operative plans to perform autonomous surgery. The creation of such plans should require minimal interaction time with a surgeon, while still yielding highly accurate planning.

As a software engineer, you will help develop medical software that is easy to use, has good performance and has high accuracy. The core of the job is about creating, implementing and maintaining segmentation algorithms for 3D (volumetric) medical images. There is a strong focus on conventional image processing techniques but there may be opportunities for exploring more statistical, learning-based techniques in the future. You will perform your tasks as part of a multi-disciplinary team that consists of mechanical, electrical and software engineers that collaborate closely with our clinical partners. Besides your software responsibilities, you are expected to become proficient in writing documentation and working according to industry standards such as ISO13485, IEC62304 and IEC82304, to bring medical devices to market.

Projects to work on

Eindhoven Medical Robotics B.V. is developing a custom image-processing software suite for the segmentation of anatomical structures in the temporal bone. The segmentation result is used to determine a milling path that can be executed by our autonomous surgery robot. To achieve this, you will be working in close collaboration with the user interface team, the robot team and various clinical partners.

Responsibilities

- Be an active member of a multi-disciplinary team.
- Specify requirements for software modules and products.
- Develop software, write automated tests and perform code reviews.
- Own and manage specific parts of the image processing pipelines.
- Define and perform manual tests and / or user tests of our product.
- Write technical and process documentation.
- Deliver code according to the company standards, principles and adhere to the desired quality.
- Focus on improving the code by developing ownership, listen to feedback and giving feedback to other team members.

Education, Experience

- Experienced in C++ and MATLAB with full professional proficiency in at least one of them.
- Demonstrable experience in 3D medical image processing.

- Experience integrating internal and third-party solutions.
- Experience with development tools like Jenkins and version control systems like git.
- Degree in engineering or computer science.

Languages

- English.
- Dutch is a plus.

Location

Eindhoven, The Netherlands. We are located close to Eindhoven Central Station.

Our offer

We offer a full-time job in an informal and stimulating work environment with innovative products and high societal relevance. An attractive market-conform remuneration package with excellent benefits will be offered.

Contact

Email: recruitment@emrobotics.com

Or go to: www.emrobotics.com/career/

