

Software Developer

Reports to: Software Development Manager

The Company

Resonant Medical researches, develops and markets 3D ultrasound image-guided adaptive radiotherapy products. Our goal is to enable fundamental improvements to radiation oncology treatment planning, verification and delivery. Resonant's RESTITU™ platform features significant advances in ultrasound hardware and software imaging to fully harness the advantages of 3D ultrasound for radiation therapy image guidance. The first offering of the RESTITU™ platform is a tumor position verification and patient alignment system, and a wide number of additional products and technologies are currently under development.

Position Description

Reporting to the Software Development Manager, the incumbent will be thoroughly involved with the software development team to design and develop the new generation of the RESTITUTM product (ultrasound based-technology to improve radiotherapy treatment planning, simulation and delivery) and its upcoming software modules. This position will require working in collaboration with the Software Quality Assurance (SQA) team in order to develop cutting edge technology software.

Responsibilities will vary according to the incumbent's experience and projects assigned. They would typically be involved in the following:

- Design and implement graphical tools for the representation, manipulation and analysis of anatomical data in three dimensions
- Translate in production C++ code a number of algorithms developed in Matlab and other research or prototyping oriented tools
- Design some elements of Graphical User Interfaces as needed
- Implement and improve the communication of data in and out of the main application using DICOM standards or other protocols for the exchange of information with other medical systems in an hospital environment
- Design, implement and test the software components required for the integration of various hardware components, working with a number of different SDK's and API's, drivers and firmware
- As needed, provide input in the design of the software architecture, development plan, test plans, etc.
- Perform all required documentation

Position Qualifications

- Bachelor's degree in Computer Science/Engineering/ Applied Science
- 5 years experience in C++ and other coding languages
- Object-oriented concepts and design
- Thorough experience with Windows application development
- Strong communication skills and team playing ability
- Strong technical writing skills

Assets

- Experience in a quality environment
- Experience in medical-related or other regulated industries
- Networking and communication development
- Strong knowledge in 3D graphics

Salary is commensurate with education and experience.

Please send inquiries and resumes by email and indicate for which position you are applying.

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