R&D Software Quality Assurance Analyst

Position Overview:

The R&D Software QA Analyst works on testing activities to ensure that quality and reliability of software deliverables from Circle's R&D (Advanced Technology) development group. The Software QA Analyst participates in all levels of project testing including usability, integration, system performance and user acceptance. This position reports to the Director of Quality Assurance.

General Responsibilities:

- Understand the current R&D projects and actively participate in R&D QA activities
- Research and understand specific publications/proven algorithms related to medical imaging and prepare actual cases for clinical applications
- Establish and maintain thorough and accurate documentation of all work
- Interact with R&D team, developers and managers on technical issues, impact, and risk areas
- Prepare R&D related documentation for regulatory filings
- Create, modify, execute test plans and test cases to verify published scientific/clinical requirements and functional specifications
- Designs and creates data sets consistent with test specifications and test procedures
- Executes tests to ensure all acceptance criteria are satisfied
- Participates in user story, and requirements reviews and design sessions
- Ensures appropriate feedback is provided for developing requirements that are testable
- Troubleshoot issues found during testing and assist in problem analysis
- Participate the general software testing activities when required

Required Skills/Experience:

- 2+ years of software testing experience
- Experience in solving mathematical problems with emphasis on image, signal, and/or data processing
- Experience in medical imaging software industry/research
- Experience testing software installation/deployment packages on Mac and Windows
- Strong analytical, critical thinking and problem-solving skills
- Demonstrated strong written and verbal communication skills, ability to work in a team environment across multiples geographic locations and cultures

Preferred Skills/Experience:

- Working knowledge of the validation process in a regulated environment
- Keen interest in biological sciences/medical/healthcare applications is a plus
- Spatial reasoning skills, ability to visualize 3D objects from 2D images
- Experience with machine learning, deep learning or other data science applications
- Experience testing/evaluating software against various hardware components (hard drive types, GPU/video cards, memory configurations, etc.)
- Experience with testing/evaluating server-client applications in various network environments
- Experience with DICOM images (MR and CT)
- Experience with QT, OpenGL, and OpenCv

- Experience with Matlab or similar tools

Educational Requirements:

- Minimum technical diploma in computing science or related field
- Bachelor's degree in computer science, software engineering, or related field is preferred

About Circle Cardiovascular Imaging Inc.

Circle Cardiovascular Imaging Inc. is a Calgary-based software development company that develops and sells cardiac post-processing software that allows for the evaluation and analysis of MR and CT images. Available for clinical and research use, the stand-alone software provides full DICOM and PACS connectivity.

Circle operates worldwide and its products (cvi42, cmr42, ct42, and report42) have been approved for the Canadian, American, Australian, and European markets. Circle's goal is to contribute to quality in cardiovascular imaging and research, while maximizing the achievable benefit for patients by enabling healthcare providers to accurately and effectively analyze cardiovascular images.

How to apply:

While we thank all those who apply, however please note that we will only be contacting those selected for an interview. No phone calls or unsolicited agency referrals please. Only applicants who are authorized to work and are residing within Canada will be considered for this position.

Please note: This is a Calgary-based role. No relocation will be provided for the position.

Please send your resume with cover letter to the attention of Human Resources at the following address or apply on our website:

Email: hr@circlecvi.com
Fax: +1 403 338 1895
Mail: **Circle Cardiovascular Imaging Inc.**
1100, 800 5th Avenue SW
Calgary AB T2P 3T6
Canada