
Software R&D Engineer – Machine Learning

Position Overview:

Circle Cardiovascular Imaging Inc. is looking for a software R&D engineer/scientist in the field of machine learning. The ideal candidate is someone who is passionate about pursuing new ideas, is strong at solving complex problems and has a willingness to challenge the status quo to create remarkable solutions. The successful candidate will be highly organized, results-driven and effective at presenting intricate ideas and concepts to others.

General Responsibilities:

- Research and develop advanced machine learning algorithms and big data analysis in the medical industry
- Leverage and improve upon state-of-the-art machine learning methods to solve challenging problems across a variety of domains
- Research and develop advanced image processing algorithms
- Work closely with a team of developers to design and develop medical image post-processing software
- Work closely with regulatory and quality assurance engineers to ensure development of quality software
- Work closely with scientific advisors and physicians to develop algorithms for solving clinical problems

Required Skills/Experience:

- Experienced in image segmentation, registration and/or feature detection
- Experienced in C++ development

Preferred Skills/Experience:

- MSc or PhD in Engineering, Computer Science or related field
- Strong theoretical knowledge, including mathematical foundations of modern machine learning systems and techniques
- Strong programming skills in C++, Python, and TensorFlow

Educational Requirements:

- MSc or PhD in Engineering, Computer Science or related field



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.**

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Canada