
Software R&D Engineer – Deep Learning and Computer Vision

Position Overview:

The Advanced Technologies team of Circle Cardiovascular Imaging has 3 immediate openings in Calgary, Alberta for Research Engineers with a focus on Deep Learning and Computer Vision. Our team is recognized for fast prototyping, feasibility studies, specification and implementation of medical image analysis product components. We provide a stimulating environment for highly talented and self-motivated researchers to apply their knowledge in the medical field. You will be encouraged to think out-of-the-box, innovate and find solutions to real clinical problems.

Circle's vision is to improve cardiovascular health through excellence in imaging as an integral part of precision medicine. Circle CVI is a fully integrated company with 130 employees with a validated product development and commercialization process and the global leader in cardiac imaging solutions.

General Responsibilities:

- Research and develop advanced image processing algorithms for medical image analysis
- Leverage and improve upon state-of-the-art machine learning and deep learning solutions to solve challenging problems across a variety of domains
- Fast prototyping, feasibility studies, specification and implementation of medical image analysis product components
- Work closely with scientific advisors and physicians to develop algorithms for solving clinical problems
- Work closely with regulatory and quality assurance engineers to ensure development of quality software

Required Skills/Experience:

- Experience in computer vision algorithm design and development including modern machine learning and deep learning architectures and techniques
- Strong programming skills in C++, Python, and fluency in machine learning (scikit-learn/keras/tensorflow/pytorch) tools
- Ability to succeed with rapid development environments and tools that are required in a health technology company
- Good written and verbal communication skills in English

Educational Requirements:

- Masters or Ph.D. in Engineering, Computer Science, or similar quantitative/applied field

Why Circle?

- Chance to work with passionate and dedicated team of computer vision and AI researchers, developers and key opinion leaders in the field
- Comprehensive employee benefit program
- Flexible working hours with access to office gym and foosball table
- Lots of food, snacks and coffee

About the Company:

Circle Cardiovascular Imaging Inc. is a Calgary based company that develops analytics software for the evaluation of cardiovascular MR and CT images. Circle operates worldwide and has installations of their products cmr⁴², cvi⁴², and report⁴² in over 25 countries. Circle's goal is to contribute to quality in cardiovascular imaging and research, maximizing the achievable benefit for patients by enabling healthcare providers to accurately and effectively analyze cardiovascular images.

We are an equal opportunity employer and value diversity at our company. We do not discriminate on the basis of race, religion, color, national origin, gender, sexual orientation, age, marital status, veteran status, or disability status. While we thank all those who apply, 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 in Canada will be considered for this position.

Please send your resume with cover letter to the attention of Human Resources at the following address:

Email: hr@circlecvi.com

Fax: +1 403 338 1895

Mail: **Circle Cardiovascular Imaging Inc.**
1100, 800 5th Avenue SW
Calgary AB T2P 3T6
Canada