



## Medical Physicist – Software and Algorithm Development Location – Fully Remote

We are seeking a motivated Medical Physicist with excellent software and algorithm development skills to join our team. The successful candidate will help guide our software engineers, machine learning engineers and clinical experts in creating the next generation of radiation therapy software solutions.

[Limbus AI](#) is a software company that develops machine learning based products designed to improve accuracy and efficiency in radiation treatment planning and adaptive radiation therapy. Our core product utilizes machine learning models to perform accurate and fast segmentation of organs at risk. This product is deployed globally in over 200 clinics with 250,000+ scans contoured per year.

We are based in Canada but have a decentralized work environment, with individuals residing across the country and in the United States. We offer a respectful, friendly, open, team oriented working environment with flexible time management, and competitive salaries.

If you are craving to work on technology that will have a significant impact on cancer care globally, and you think you have the technical skills and the passion to work at a start-up on the cutting edge of AI and advanced RT, then this position is for you.

### **Responsibilities**

- Combine your knowledge of medical physics and software development to create novel algorithms for improving radiation therapy and medical imaging.
- Work closely with the clinical and software development teams to plan, organize, build and deliver clinically valuable software based technologies.
- Contribute to development of machine learning pipeline code: with a focus on data engineering and internal data tools for clinical team members. Contribute to development of a relational database for images and image metadata
- Determine software and system functional specifications for the medical device project at hand (requirements generation)
- Design, develop, and test software based on software specifications and designs
- Design, develop, test, and implement software tools and subsystems to support software development
- Maintain detailed software documentation (requirements, design, architecture, test evidence, etc.)
- Participate in technical design and design review meetings

- Use sound software development principles to ensure that developed code is modifiable, efficient, reliable, and understandable

### **Qualifications**

- Masters or PhD degree in medical physics (or equivalent experience) and/or demonstrable related experience
- 3+ Years of clinical or related experience as a radiation therapy medical physicist
- CCPM or equivalent certification an asset
- Proficiency with Python (required), Java, MATLAB, C or other languages
- Past experience with image processing is an asset
- Object Oriented development experience
- Strong knowledge of software documentation and testing
- Experience with database technologies and query languages
- Strong problem solving skills
- Experience with common Python libraries such as NumPy, VTK, Matplotlib, Pandas, Tensorflow/Keras, SciPy, etc.
- Demonstrated ability to work collaboratively on cross-functional teams in a fast moving environment
- High level of initiative with ability to self-manage
- Strong interpersonal skills with ability to work both independently and as part of a team
- Excellent written and verbal communication skills

Please email your cover letter and resume to [careers@limbus.ai](mailto:careers@limbus.ai). Only candidates selected for interview will be contacted.