RESEARCH ENGINEER (MEDICAL IMAGING)

4Dx is seeking a Research Engineer to join a world-leading team developing a radical new medical X-Ray imaging technology. The candidate will join a multi-disciplinary team working in an early stage med-tech start-up placed at the intersection of physiology, X-Ray physics, fluid mechanics and software engineering. A natural curiosity and eagerness to continually learn new concepts both inside and outside of your field will be a significant advantage.

The ideal candidate will possess

- A graduate degree or higher in Physics, Computer Science or Engineering
- Experience in image processing and analysis of experimental and simulated data
- Experience in programming with Python
- Experience with the Linux command line interface and scripting in bash
- A working knowledge of C++ programming
- Familiarity in computational modelling and analysis
- Familiarity with high performance clusters and supercomputing systems

Additionally, the following skills and experience would be advantageous, but not essential:

- X-Ray imaging concepts and tomographic reconstruction techniques
- An understanding of human physiology, especially the lungs
- An understanding of mechanical engineering concepts such as flow, elasticity and resistance
- Experience with microscopy and medical image analysis
- Experience with the production of scientific figures using tools such as matplotlib, Grace or MATLAB
- A working knowledge of graphics tools such as Adobe Illustrator and Photoshop would be an advantage.

This role covers research and development activities in support of 4Dx's products, including but not limited to image processing and analysis of pre-clinical and clinical data, product and prototype testing and validation, algorithm development, computational modelling, and preparation of associated documentation, reports and publications.

FOR MORE INFORMATION:

Contact the 4Dx Recruitment Team at recruitment@4dx.com