



## SOFTWARE ENGINEER (MEDICAL IMAGING)

4Dx is seeking a Software 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 degree in Electrical Engineering, Mechatronics, Computer Science or a related field with significant experience in software development
- An excellent knowledge of C++, with experience in C++11 or later a bonus
- Experience in image processing or signal processing
- A working knowledge of scripting languages such as Python, bash
- Experience in working in regulated environments, specifically development of medical devices to ISO13485 / FDA requirements.

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

- Ability to translate mathematical concepts into efficient high-performance algorithms
- Working knowledge of fluid mechanics, Computational Fluid Dynamics (CFD) and flow analysis techniques such as Particle Image Velocimetry (PIV)
- Experience and understanding of High Performance Computing Clusters (HPC)
- Familiarity with Linux-based development
- An understanding of medical X-Ray imaging
- Knowledge of numerical methods and their applications

This role covers research and development activities in support of 4Dx's products, including but not limited to software development and testing, performance assessments, software/hardware integration, user interface development and optimization, diagnostics development and preparation of associated documentation, reports and publications.

### FOR MORE INFORMATION:

Contact the 4Dx Recruitment Team at [recruitment@4dx.com](mailto:recruitment@4dx.com)