

## **CT IMAGING RESEARCH & DEVELOPMENT SCIENTIST**

iTomography Corporation ([www.itomography.com](http://www.itomography.com)) is seeking a full-time X-Ray Computed Tomography (CT) Imaging Research & Development Scientist for our office located in the Texas Medical Center in Houston. The primary responsibilities for this position are to conduct research and apply mathematical, physical, computational, and other relevant theories and techniques to the development of advanced solutions to problems in CT and other X-Ray based imaging modalities.

### **Education, Experience, and Qualifications**

- Doctorate (PhD) degree in Mathematics, Physics, Computer Science, Engineering, or related fields.
- Experience working in an R&D environment, including hands-on algorithm development and implementation experience in C++ and MATLAB.
- Knowledge of CUDA/GPU programming and experience with Neural Networks are highly desirable.
- CT algorithm development and implementation experience desirable as well.

### **Essential Duties and Responsibilities**

- Conduct R&D and apply relevant theories and techniques to the development of solutions to problems in CT and other X-Ray based imaging modalities for medical and industrial applications.
- Develop mathematical models to be used for analysis, computational simulations, and design of image reconstruction and artifact correction algorithms.
- Implement and optimize the developed algorithms in computationally efficient software. Perform rigorous testing, prepare reports and software documentation.
- Participate in communications with company management and clients.
- Keep track of the state-of-the-art knowledge in the field of CT science and technology, prepare technical publications, attend professional conferences.
- Be open to learning new material.

### **Position**

- Full-time.
- Located within the vibrant Texas Medical Center Innovation Institute ([TMCX+](http://TMCX+)).
- Flexible office/home work schedule is possible with demonstrated high quality job performance.

### **How to Apply**

Please submit your CV and cover letter in the PDF format to [careers@itomography.com](mailto:careers@itomography.com).