

## **SCIENTIST IN CT IMAGE RECONSTRUCTION**

iTomography Corporation (Houston, TX; [www.itomography.com](http://www.itomography.com)) has an immediate opening for a Computed Tomography (CT) image reconstruction Scientist to participate in the development of novel CT imaging algorithms and software. We are looking for self-motivated students, grad students, and professionals with strong mathematics and programming skills. Work will be performed under direct supervision of Prof. Alexander Katsevich (Chief Technology Officer). This position provides an opportunity to address some of the most challenging CT imaging problems faced by major manufacturers and end-users of medical, pre-clinical, and industrial CT scanning equipment.

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

- MS minimum; PhD in an area such as, applied mathematics, electrical engineering, computer science, or any other related field with an emphasis on CT imaging is highly desirable.
- Ideal candidate will have minimum three years related experience, preferably in software product development, R&D or academic environments.
- Hands-on programming experience in C++, Python, and Matlab. Experience with GPU programming is highly desirable.
- Experience in algorithm implementation and optimization, including designing software for parallel processing.
- Experience with Machine Learning is a plus.
- Excellent oral and written communication skills.

### **Essential Duties and Responsibilities**

- Develop innovative algorithms for CT.
- Implement the algorithms in computationally efficient software.
- Perform testing, prepare reports and software documentation.
- Participate in communication with company management and clients.

### **Position**

- Full-time.
- Located within the Texas Medical Center Innovation Institute (TMCX+)

### **How to Apply**

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

We will contact you should we wish to arrange a meeting to discuss this position further.