CT IMAGING RESEARCH AND DEVELOPMENT SCIENTIST

iTomography Corporation (Houston, TX; www.itomography.com), a leading CT imaging technology company, is seeking a full-time Computed Tomography Imaging Research and Development Scientist. The primary responsibilities for this position are to conduct research and apply mathematical theories and techniques to the development of solutions to challenging Computed Tomography and other X-Ray based imaging problems for medical, industrial, non-destructive testing, security, aerospace, and other applications.

Education, Experience, and Qualifications

- Doctorate (PhD) degree in Mathematics, Engineering, or related field.

- A minimum one-year experience working in a research & development environment.

- Programming experience in mathematical algorithm implementation and optimization in C++, Python, Matlab, and CUDA programming for GPU.

- Experience developing and optimizing machine learning models for key stages of the CT image reconstruction workflow.

Essential Duties and Responsibilities

- Conduct research and apply mathematical theories and techniques to the development of solutions to Computed Tomography (CT) and other X-Ray based imaging problems in medical and other areas.

- Develop mathematical models to be used for analysis, computational simulations, and design of image reconstruction techniques and procedures;

- Develop and implement practical imaging mathematical algorithms in computationally efficient software.

- Develop and optimize machine learning models for various stages of the CT image reconstruction process, including data acquisition, preprocessing, reconstruction, and post-processing.

- Perform testing, prepare reports and software documentation.

- Participate in communications with company management and clients.

- Maintain knowledge of mathematical research and development in the field of CT science and technology by reading professional journals, communicating with other scientists and developers and attending professional conferences.

Position

- Full-time.

- Houston, TX, USA. Remote possible based on level of experience.

How to Apply

Please submit your CV and cover letter in PDF format to careers@itomography.com.