

CT IMAGING RESEARCH SCIENTIST

iTomography Corporation (Houston, TX; www.itomography.com | About iTomo) is seeking a full-time Computed Tomography Imaging Research Scientist located in Houston, Texas. The primary responsibilities for this position are to conduct research and apply mathematical theories and techniques to the development of solutions to Computed Tomography and other X-Ray based imaging problems. The position requires a Doctorate (PhD) degree in Mathematics, Engineering, or related field, and a minimum of one-year experience working in a research & development environment, including one year of programming experience in mathematical algorithm implementation and optimization in C++, Python, Matlab, and CUDA programming for GPU.

Education, Experience, and Qualifications

- Doctorate (PhD) degree in Mathematics, Engineering, or related field.
- A minimum one-year experience working in a research & development environment, including one-year programming experience in mathematical algorithm implementation and optimization in C++, Python, Matlab, and CUDA programming for GPU.

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.
- 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 mathematicians and attending professional conferences.

Position

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

How to Apply

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