

SCIENTIFIC PROGRAMMER & SOFTWARE ENGINEER

iTomography Corporation (Houston, TX; www.itomography.com | [About iTomo](#)) has an immediate opening for a Scientific Programmer & Software Engineer to participate in the development of novel imaging algorithms and software technologies. We are looking for self-motivated professionals with a strong combination of mathematics, physics, and programming skills. The position provides opportunities to address some of the most challenging imaging problems faced by major manufacturers and end-users of medical, radiotherapy, pre-clinical, microscopy, security, and industrial scanners. It will allow for professional development by working closely with Prof. Alexander Katsevich (iTomography CTO and world-leading CT scientist), our technical team, and leading experts of our customers, in the areas of CT and other imaging modalities.

Education, Experience & Qualifications (Candidate may possess some and not all of the following)

- BS or MS in applied mathematics, electrical engineering, computer science, physics, or other related field. Knowledge of CT Imaging and machine learning is a plus.
- Ideal candidate will have minimum one year related experience and/or training, preferably in a product development and/or R&D University environments.
- Hands-on programming experience in C++, Python, and Matlab. Experience with GPU programming is highly desirable.
- Ability to apply concepts from the following mathematics and physics Fields: mathematical analysis (differentiation and integration); linear algebra; numerical analysis, statistics, optimization methods; digital signal and image processing; and radiation physics.
- Excellent oral and written communication skills.

Essential Duties and Responsibilities

- Analyze software requirements documentation and consult with the imaging algorithm author.
- Formulate software designs using industry best practices and document it appropriately.
- Implement the software design by coding.
- Execute the test plan to verify the coded software; deliver test reports.
- Timely delivery of comprehensive product documentation with test examples.
- 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.