Laboratory of Medical Imaging and Computation

Job Title: Research Assistant

Work Schedule: 40 hours a week

Last Update: 9/18/2019

Duration: 1 to 2 years

GENERAL DESCRIPTION

The Laboratory of Medical Imaging and Computation (http://lmic.mgh.harvard.edu/) at Radiology Department of the Massachusetts General Hospital, directed by Dr. Synho Do, is seeking a Research Associate for a project related to application of blockchain in development of Artificial Intelligence for medical imaging. The incumbent will be an active member of our multidisciplinary team that includes clinicians, data scientists, and engineers.

PRINCIPAL DUTIES AND RESPONSIBILITIES
- Collaborative high-quality image annotation system design on a cloud platform
- Build a blockchain application for machine learning algorithm development
- Work closely with other team members to find answers to various research questions
- Develop abilities and understanding of application of blockchain and machine learning in the field of healthcare

MINIMUM QUALIFICATIONS
- BS or MS in Computer Science, Electrical Engineering, Information Science, or related field
- Deep understanding of the fundamental theories in computer science
- +2 years of experience in Python and Node.js
- Knowledge of Linux system and its management
- Willingness and ability to learn new skills if needed

DESIRED QUALIFICATIONS
- Experience with web development using Google Cloud Platform, Amazon Web Service, and etc.
- Deep understanding in database schema and asynchronous programming
- Experience with Deep Learning Frameworks (Tensorflow, PyTorch, etc.)
- Basic understanding in blockchain technology

If you are interested in the position, please send your CV and cover letter to
Synho Do, PhD: sdo@mgh.harvard.edu and cc Jinserk Baik, PhD: jinserk.baik@mgh.harvard.edu

Laboratory of Medical Imaging and Computation
Department of Radiology, Massachusetts General Hospital
25 New Chardon St, Suite 400B, Boston, MA, 02114
lmic.mgh.harvard.edu