



MASSACHUSETTS
GENERAL HOSPITAL



HARVARD
MEDICAL SCHOOL

Job Description

Job Title: Research Assistant or Post-doctoral Scholar

Hire Date & Work Schedule: Negotiable

The Laboratory of Medical Imaging and Computation of the Massachusetts General Hospital, directed by Dr. Synho Do, PhD, is seeking a research assistant. The position will be responsible for developing a personal health record (PHR) system on **blockchain platform and artificial intelligence (AI) applications using healthcare data**. We are expanding the scope of our research, and you will join a multi-disciplinary team of diverse background and expertise in a vibrant and dynamic environment. Open for all scientists who have a thirst and a passion for innovative technology to disrupt healthcare.

PRINCIPAL DUTIES AND RESPONSIBILITIES

- Build a standard test and evaluate a blockchain-based PHR system.
- Research and development of medical AI application on blockchain platform
- Research and development of machine learning applications in medical imaging and other field of healthcare

MINIMUM QUALIFICATIONS

- MS or PhD Student
- More than 2 years of experience of computer programming (any language)
- Basic knowledge of electronic health record (EHR) systems and EHR standard.
- Basic knowledge of blockchain technology
- Interest and passion in data science and artificial intelligence

DESIRED QUALIFICATIONS

- Knowledge of FHIR or other standards of health information exchange
- MS or equivalent in medical informatics, computer science, information science, Medicine or related field
- Experience with one or more programming languages including: Python, JavaScript & Node.js
- Knowledge in statistics, machine learning, and data analytics techniques
- Experience with one or more of deep-learning framework including but not limited to: Keras, PyTorch
- Experience or interest with one or more of blockchain-based applications such as Bitcoin, Ethereum & ERC20 Token, Ripple, Qtum

SALARY & BENEFIT

- Salary and benefits follow Massachusetts General Hospital's policy for research fellows
- Additional benefits are included by Harvard Medical School affiliation

If you are interested in the position or have any questions, please send your CV to Synho Do, PhD:
sdo@mgh.harvard.edu.



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