FATHOMX

Company Registration No. : 201929283D

Job Description for Research Scientist

About FathomX

FathomX is a Digital Health AI spin-off company from the National University of Singapore and National University Health System and is the brainchild of Dr Mikael Hartman (Breast Cancer Surgeon at NUH) and Dr Feng Meng Ling (Assistant Professor at the Saw Swee Hock School of Public Health). Our flagship product, FxMammo, is an AI Assistant that significantly improves the screening procedure for mammograms by enhancing both the efficiency and accuracy of screening processes.

The roles & responsibilities and requirement of the candidate are as listed below:

Roles and Responsibilities

- Work with Chief Technology Officer, Principal Software Engineer and Research Fellow to develop AI Medical Imaging products, algorithms and systems
- Apply and develop machine learning and AI technologies to solve healthcare challenges raised by customers and collaborators
- Handle healthcare data in compliance with industry standards which include managing, extracting and pre-processing data
- Work with various collaborators including data providers, annotation partners, healthcare institutions and customers to manage resources related to AI Development

Required personal skills:

1. An independent and self-driven worker and a fast learner
2. Well- organized and has an eye for details
3. Excellent written and verbal communication skills
4. Ability to work effectively with colleagues to achieve team goals

Essential technical skills:

1. Excellent academic record
2. Knowledge and experience in statistical analysis or machine learning
3. Programing language: Python or R or C++

Good proficiency and experience in the following areas is a plus:

1. Experience with the PL-SQL/Trans-SQL
2. Knowledge and experience in GPU-based computation
3. Strong in Mathematics
4. Strong foundations in machine learning
5. Candidates with publications in the field of machine learning are preferred

The successful applicants are expected to possess at least the Master's Degree in Computer Science, Engineering, Mathematics, Statistics, and preferably with relevant experience.