



**Research Fellow/Postdoctoral Fellow, Research Associate and Research Assistant
For “Healthcare Artificial Intelligence and Data Analytics”**

The above positions are now available to support the Principal Investigator, Assistant Professor Feng Mengling, for his research in the areas of healthcare data analytics and AI solutions.

Dr. Mengling Feng (<http://web.mit.edu/mfeng/www/>) is truly a cross-disciplinary scientist, who is currently a faculty member of the School of Public Health, School of Computing and School of Medicine, National University of Singapore (NUS). He is also the Senior Assistant Director working directly with the Chief Technology Officer (CTO) and Chief Medical Information Officer (CMIO) at National University Hospital (NUH). Dr. Feng is also an affiliated scientist with MIT. His research is to develop effective data analysis and machine learning methods to extract actionable knowledge from medical big data to improve the quality of care. Dr. Feng’s work was recognized by both well-established journals, such as Science Translational Medicine, and top international conferences, such as KDD, AAAI and AMIA.

Cross-disciplinary and International AI Lab

The selected candidates will be working in a cross-disciplinary team consists of data scientists, physicians, post-docs, PhD students and well respected faculty members from NUS, NUH and SGH. The candidates will be working on healthcare projects funded by our Ministry of Health, Health Promotion Board and AI Singapore. As Dr. Feng is an affiliated scientist, his lab constantly work with faculties and students from the Harvard-MIT Health Science Technology division. Dr. Feng has over 10 joint publications with Harvard and MIT between 2017 and 2018. He has also been organizing the annual NUS-MIT Healthcare AI Datathon (www.nus-datathon.com).

Potential Industrial and Overseas Exposure

Dr. Feng also collaborates closely with various local and international industrial partners. Therefore, members in Dr. Feng’s team often have opportunities to work as affiliated scientists in our partnering companies, such as MSD, IBM, SAP, Philips, local and international start-ups.

Responsibilities and requirements

Major responsibility of the selected candidate is to apply and develop machine learning and AI technologies to solve healthcare challenges raised by our clinical collaborators. The selected candidate will also be involved in managing, extracting and pre-processing data for various projects.

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

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

This position will be initially available for one year. The grade of appointment will be accorded based on candidate's academic qualifications and years of relevant experience.

Recruitment is open immediately, and will continue until the positions are filled. To apply please email the following to Dr. Feng at ephfm@nus.edu.sg or morning@gmail.com

- Cover letter highlighting career goals and relevant experience
- Curriculum Vitae, containing details of three named referees
- A complete NUS Personal Data Consent for Job Applicants (form is available at [NUS Personal Data Consent for Job Applicants](#))