**Position:** Associate Technical Analyst (Machine Learning)

**Site:** KITE Research Institute (Toronto Rehabilitation Institute). 550 University Avenue, Toronto, M5G 2A2 (https://kite-uhn.com)

**Department:** AIRR (Artificial Intelligence and Robotics in Rehab)

**Reports to:** Principal Investigators

**Hours:** 37.5 hours per week

**Pay Range:** $24.41 to $30.51 per hour commensurate with experience and consistent with UHN Compensation Policy

**Status:** Temporary Full Time (up to 1 Year)

University Health Network (UHN) is looking for an experienced professional to fill the key role of Associate Technical Analyst (Machine Learning) in the AIRR Lab.

**Start Date:** As early as November 2020

The AIRR invites applications for the position of Research Analyst to work on a research project to develop predictive models for determining homeboundness in older adults using the Canadian Longitudinal Study Aging data (https://clsa-elev.ca/about-us). The CLSA is a large, national, long-term study of more than 50,000 individuals who were between the ages of 45 and 85 when recruited. This exciting project provides excellent opportunities to hone ones skills in solving real-world problems with high impact.

This position will require involvement in activities ranging from implementing existing and new feature selection and machine learning (ML) techniques. This position will involve collaboration with our multi-disciplinary team comprising of computer scientist, clinician scientist, and health science experts.

The successful candidate will be co-supervised by:

- **Dr. Shehroz Khan**, Scientist, KITE-TRI, and Assistant Professor (Status), Biomedical Engineering Department, University of Toronto, and
- **Dr. Andrea Iaboni** (Geriatric Psychiatrist), Scientist, KITE-TRI, and Assistant Professor, Department of Psychiatry, University of Toronto.

**Requirements:**

We are seeking highly motivated candidate with the following qualifications:

- Must hold a Bachelors in Computer Science / Computer Engineering or related area with 2+ years experience, or Masters in Computer Science / Computer Engineering or related area.
- Advanced knowledge in feature selection, supervised and unsupervised ML techniques.
- Experience with categorical, numerical and mixed data, missing data, linear/non-linear ML classifiers.
- Hands on experience in Python, scikit-learn and scipy libraries.
- A link to Github showcasing previous ML project will be good to have in the application.
- Possess excellent communication and cross-disciplinary collaboration skills.
- Possess excellent time management skills and multi-tasking abilities.

KITE – Toronto Rehab, UHN hires based on merit and is committed to employment equity. All qualified persons are encouraged to apply. However, due to the short-term nature of the project, Canadian citizens and permanent residents will only be considered for this position, as we could not sponsor work-permits for this short term job.

**Application:**

Applications will be accepted until the position is filled. To apply, please make one PDF file containing the following

- A one page covering letter highlighting the relevance of your skills, knowledge and experience to the above mentioned position,
- 2 page (maximum) resume, including full publication list, country of citizenship and date of availability,
- a copy of your university transcripts

and email to shehroz.khan@uhn.ca with the subject line “Research Analyst - AIRR”

Shortlisted candidates will be given a predetermined ML task as part of the screening process. Only selected applicants will be contacted for interview. Selected applicants will also be asked to forward two academic and/or professional references.