POSTDOCTORAL POSITION IN COMPUTING SCIENCE
The Alberta Machine Intelligence Institute (Amii)

Postdoctoral Fellow in Natural Language Processing and Machine Learning

We are seeking a highly creative and motivated postdoctoral fellow to collaborate with principle investigators in the Alberta Machine Intelligence Institute (AMII). Over the period from 2000-2017, AMII is the number 2 ranked AI/ML institute in the world (see csrankings.org), second to CMU, and first in Canada.

The postdoc will be expected to work on the application of natural language processing and machine learning. Specific projects include information extraction in two broad domains: One is the medical domain. The project focuses on medical information extraction from TeleHealth transcripts, which include both text and voice data, and work to articulate possible demonstration applications such as pandemic disease prediction, symptom/disease trend prediction.

The successful candidate will also work on proposed Precision Health Demonstration Projects, which construct calibrated models of patient frailty, and build models by incorporating primary care data. In addition, the postdoc will contribute to a demonstration application to a social media information extraction project (e.g., from Twitter feeds) and detect people's medical concerns (e.g., depression) in a specific time/location, and perform early detection of unexpected pandemic medical events.

The second domain is the legal domain and the project consists in information extraction and reasoning. The postdoc will contribute to the ongoing extension of a question answering system for legal bar exam questions. The postdoc will also be involved in the organization of the Competition on Legal Information Extraction/Entailment (COLIEE).

Applicants should hold a PhD in computing science and are expected to have a strong publication record in natural language processing and machine learning conferences/journals. The appointment is initially for one year with the possibility of an extension.

To Apply:
Forward your CV, a short statement of your research interests and contact information for three references to: leslie@amii.ca

Contact Name: Leslie Acker
Address: 221 Athabasca Hall, University of Alberta, Edmonton, AB Canada T6G 2E8
Email address   leslie@amii.ca

Closing date:
September 1st, 2017, or as soon as a suitable candidate is found.

We thank all applicants for their interest; however, only those individuals selected for an interview will be contacted.

The University of Alberta offers appointments on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities and Aboriginal persons.