VECTOR
INSTITUTE

INSTITUT
VECTEUR

Postdoctoral Fellow Positions in the Field of Deep Learning and Machine Learning

The newly-formed Vector Institute for Artificial Intelligence in Toronto, Canada is seeking applications for a number of Postdoctoral Fellow openings in areas related to machine learning and deep learning and their applications.

Responsibilities

The Fellow's primary appointment will be in the Institute. The appointed candidate will collaborate with other members of the Institute, engage in state-of-the-art research, publish at the highest international level, and contribute to the academic life and reputation of the Institute.

These candidates will be encouraged to develop entrepreneurial activities, and interact with industry. Candidate also will be involved in mentoring and teaching at summer schools offered by the Institute.

Features

The Fellows will have freedom to propose work on research topics of their interested related to machine learning and deep learning. They also will have the opportunity to collaborate with the highest concentration of machine learning and deep learning faculty in Canada.

The appointed candidates will have the opportunity to engage in entrepreneurial activities and work with existing companies.

The Institute is putting in place:
- staff dedicated to facilitating all aspects of industrial activities, including consulting, collaboration, and the development of new start-ups
- extensive computing resources available and access to datasets for the research faculty
- a team of professional software engineers who will help improve research productivity through software platform development, ensuring research reproducibility, publishing open source code and data, and in readying code for commercial use.

Salaries will be competitive with postdoc positions in corporate machine learning research labs.

Located in the MaRS Building, the Vector Institute is the newest addition to this world-class innovation hub which is home to a myriad of startups and innovation labs. In the heart of downtown Toronto, we are adjacent to the University of Toronto and convenient access to transit.

Who should apply?
We are looking for people with interests across a broad spectrum, from core machine learning or deep learning research to more applied and entrepreneurial activities.

Requirements
- Ph.D. in Computer Science or in a related field
- An excellent publication record in deep learning, or in machine learning more broadly with primary author articles in high impact conferences and journals
- Expertise in a core area of machine learning, including but not limited to deep, unsupervised, and reinforcement learning, optimization, and theory; and/or one or more area related to applied machine learning, including but not limited to natural language, health, vision, robotics, medicine, biology, transportation, media and finance

Application Requirements
The application must include the following:
- a cover letter
- a curriculum vitæ
- links of at least three recent publications
- a research statement outlining a proposed program of research
- three letters of recommendation are also to be sent directly to the Institute by the referees.

All application materials should be mailed to: careers@vectorinstitute.ai

Deadline
The Hiring Committee will review applications on an ongoing basis, beginning April 18, 2017.

All qualified candidates are encouraged to apply, however, Canadians and permanent residents will be given priority. The Vector Institute encourages applications from all qualified individuals, including women, members of visible minorities, indigenous peoples and persons with disabilities.

The Vector Institute for Artificial Intelligence
The Vector Institute is a newly-formed research institute in Toronto, at the MaRS building, with over $170M in funding from the provincial and federal governments as well as Canadian industry.

The Institute's mission is to be a world-leading center for machine learning research and applications. We aim to push the research into new domains and scientific discoveries. We also want to foster new applications, successful start-ups, and scale-ups. A primary aim is to graduate more AI talent, in response to the demand from industry in Toronto, Ontario, and Canada in general.

The Institute is an independent, non-profit entity, with Members and Affiliates from University of Toronto and other Ontario universities.