

Tenure-Stream Position in Artificial Intelligence for Medicine

Dalhousie University is recognized internationally for our world-class academic programs and as one of Canada's leading research institutions. With our 200th anniversary in 2018, Dalhousie welcomes talented scholars to our home by the ocean and to join our mission to make a lasting impact through the discovery, advancement and sharing of knowledge.

The Faculty of Computer Science at Dalhousie University (<https://www.dal.ca/faculty/computerscience.html>) invites applications for a Tenure-Stream Assistant Professor Position. We are seeking outstanding candidates with a strong demonstrated track record of expertise in Artificial Intelligence, with a focus on medical applications. The ideal candidate will preferably also have some background in one or more subfields of machine learning, such as (but not limited to) any of the following: Bayesian reasoning, reinforcement learning, human-in-the-loop, transfer learning, interpretable machine learning. The successful candidate will be expected to develop collaborations with researchers in the Faculty of Medicine, where more than 300 researchers work in areas as diverse as neuroscience, vaccinology, cancer research, drug development, and other areas of Medicine.

Dalhousie University is located in Halifax, Nova Scotia (<http://www.halifaxinfo.com>), which is the largest city in Atlantic Canada and affords its residents a high quality of life. Dalhousie University is a member of the U15 research-intensive universities in Canada. The Faculty of Computer Science is a research-intensive faculty within Dalhousie, with 40 faculty members, including Tier I and Tier II CRCs, and over 1400 students, one third of whom are graduate students at the Master's or Doctoral level. The Faculty offers Bachelor of Computer Science, Bachelor of Applied Computer Science, Master of Computer Science, Master of Applied Computer Science, and PhD programs. The Faculty also partners with other Faculties in the University to offer the Master of Electronic Commerce, Master of Health Informatics, and Master of Science, Computational Biology and Bioinformatics programs, and is an active participant in the Interdisciplinary PhD program.

The successful candidate will be an outstanding scholar who holds or will have completed a PhD in Computer Science or a related area by the appointment date. Evidence of a strong commitment to and aptitude for both research and teaching is essential. The ideal candidate will be open to collaborative research within the Faculty.

Applicants should have demonstrated potential to establish independent scholarly research. The successful candidate will teach both undergraduate and graduate courses, develop graduate-level courses, and support the Faculty's initiatives. The applicant will be expected to establish a strong externally funded research program, supervise graduate student research, and foster existing and new collaborations with government, industry, and with other members of Dalhousie's research community.

Dalhousie University is committed to fostering a collegial culture grounded in diversity and inclusiveness. The university encourages applications from Aboriginal people, persons with a disability, racially visible persons, women, persons of minority sexual orientations and gender

identities, and all candidates who would contribute to the diversity of our community. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

Applications must include an application letter, curriculum vitae, a statement of research and teaching interests, sample publications, and letters of reference from three referees. A complete application must also include a separate completed Self-Identification Questionnaire, which is available at <http://www.dal.ca/becounted/selfid>. Review of applications will commence **April 15, 2019**.

Applicants should provide their referees with the [URL of this advertisement](#), and request that they forward letters of reference by email to the same address.

Submission address for application documents and reference letters: ai-med-search@cs.dal.ca