



Indigenous.Link

Canada's fastest growing Indigenous career portal, Careers.Indigenous.Link is pleased to introduce a new approach to job searching for Indigenous Job Seekers of Canada. Careers.Indigenous.Link brings simplicity, value, and functionality to the world of Canadian online job boards.

Through our partnership with Indigenous.Links Diversity Recruitment Program, we post jobs for Canada's largest corporations and government departments. With our vertical job search engine technology, Indigenous Job Seekers can search thousands of Indigenous-specific jobs in just about every industry, city, province and postal code.

Careers.Indigenous.Link offers the hottest job listings from some of the nation's top employers, and we will continue to add services and enhance functionality ensuring a more effective job search. For example, during a search, job seekers have the ability to roll over any job listing and read a brief description of the position to determine if the job is exactly what they're searching for. This practical feature allows job seekers to only research jobs relevant to their search. By including elements like this, Careers.Indigenous.Link can help reduce the time it takes to find and apply for the best, available jobs.

The team behind Indigenous.Link is dedicated to connecting Indigenous Peoples of Canada with great jobs along with the most time and cost-effective, career-advancing resources. It is our mission to develop and maintain a website where people can go to work!

Contact us to find out more about how to become a Site Sponsor.

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Job Board Posting



Careers.Indigenous.Link

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Postdoctoral Fellowship, Speech Technology For Indigenous Languages/Stagiaire Postdoctoral, Technologies de la parole appliquées aux langues autochtones

Job ID	EB-BB-7B-86-CF-E8	
Web Address	https://careers.indigenous.link/viewjob?jobname=EB-BB-7B-86-CF-E8	
Company	National Research Council Canada	
Location	Ottawa, Ontario	
Date Posted	From: 2023-02-10	To: 2023-03-27
Job	Type: Fixed-term	Category: Information Technology
Job Salary	From \$74,230 To \$103,093 Per Annum	
Languages	English	

Description

The Program

The NRC's Postdoctoral Fellowship program offers PDFs access to unique world-class facilities and the opportunity to work alongside multi-disciplinary teams of expert researchers and technicians on projects of critical importance to Canada. PDFs will carry out research on innovative research projects, with opportunities for career development (publications and/or industry interaction).

PDFs will be offered appointments to the staff of the National Research Council on a term basis and will be offered salaries and benefits currently available to Research Officers. Salaries commensurate with experience are taxable and subject to other deductions. As a guide, the current annual PhD recruiting rate is \$74,230. In addition PDFs will be allocated a travel fund to support their work.

Your Challenge

NRC is searching for a recent PhD graduate to develop techniques for speech recognition and/or synthesis, using untranscribed audio corpora of speech in Indigenous, polysynthetic languages.

Many such languages spoken in Canada have substantial collections of recorded speech. Language activists, academic linguists, and radio broadcasters have been recording the speech of Elders for decades, but so far only a small fraction has been catalogued, annotated, and transcribed. Thus, there are thousands of hours of recorded speech in Indigenous languages that are inaccessible in practice.

The project will focus primarily on Inuktitut, Cree, and/or Iroquoian languages. Alternative/additional languages are a possibility if appropriate datasets become available.

Le programme de Stagiaires de recherche postdoctorale du CNRC offre un acces a des installations uniques de classe mondiale, ainsi que la possibilite de travailler au cote d'equipes multidisciplinaires qui regroupent des chercheurs et des techniciens de haut calibre dans le cadre de projets de grande importance pour le Canada. Les stagiaires effectueront des activites de recherche et developpement portant sur des projets innovateurs offrant des opportunités de developpement de carriere (par l'entremise de publications et/ou d'interactions avec l'industrie). Les stagiaires travailleront dans un laboratoire sous la supervision d'un chercheur du CNRC.

Les stagiaires recoivent normalement une offre d'emploi d'une duree determinee au Conseil national de recherches du Canada. Ils obtiennent le salaire et les avantages consentis aux agents de recherches. Le salaire, dont le montant sera etabli en fonction de l'experience de la personne choisie, est imposable et assujetti a d'autres prelevements. A titre indicatif, le salaire de base verse aux nouveaux titulaires de doctorat est de 74,230\$. De plus, les stagiaires auront droit a un fonds de voyage pour les aider a atteindre les objectifs de leur travail.

Votre defi

Le CNRC est a la recherche d'un etudiant ou d'une etudiante qui a obtenu son doctorat depuis peu en vue de mettre au point des techniques de reconnaissance de la parole ou de synthese vocale a l'aide d'enregistrements audio non retranscrits de personnes qui parlent une langue autochtone polysyntheque.

Il existe d'importantes collections d'enregistrements sur les nombreuses langues parlees au Canada. En effet, les

defenseurs de la langue, des linguistes universitaires et les radiodiffuseurs enregistrent les conversations d'Anciens depuis des decennies, mais seule une infime partie de ces enregistrements a ete cataloguee, annotee et transcrite. Des milliers d'heures dans des langues autochtones demeurent donc inexploitablees en pratique.

Ce projet se concentrera principalement sur les langues inuktitut, crie et/ou iroquoienne. Des langues alternatives/supplementaires sont une possibilite si des ensembles de donnees appropriees deviendront disponibles.

Experience

Experience in speech/natural language processing (NLP) technology.

Experience in either automatic speech recognition or speech synthesis.

Experience working with Indigenous languages and communities.

Experience dans le traitement du langage naturel ou les technologies de la parole.

Experience en reconnaissance automatique de la parole ou en synthese vocale.

Experience dans les langues et communautes autochtones.

Education Requirements

PhD in computational linguistics, computer science or a related field.

Doctorat en linguistique computationnelle, science informatique ou dans un domaine etroitement apparente.

Work Environment

Who is eligible

Fellowships will be for two years contingent on satisfactory progress achieved during the first year.

Candidates should have obtained a PhD (or equivalent) within the past three years (PhD received on or after July 1, 2020) or expect to complete their PhD within 6 months of appointment.

Fellows will work in a lab under the direct supervision of an NRC researcher.

Qui peut postuler

Les stagiaires recoivent normalement une offre d'emploi de deux ans conditionnel a l'obtention de progres satisfaisants durant la premiere annee.

Les candidat(e)s ayant obtenu un doctorat (ou l'equivalent) au cours des 3 dernieres annees (ce dernier doit avoir ete obtenu le ou apres le 1er juillet 2020) ou prevoyant l'obtenir dans les 6 mois suivants leur nomination.

Les stagiaires travailleront dans un laboratoire sous la supervision d'un chercheur du CNRC.

How to Apply

Click "Apply Now"