
GLOBALINK RESEARCH INTERNSHIP AWARD

DISBURSEMENT INFORMATION AND PLACEMENT TERMS AND CONDITIONS

Dear Sidharth Purohit,

Congratulations! You have been selected by Mitacs and Jeff Davis from MacEwan University – Edmonton to receive a **2020 Globalink Research Internship** award. You are therefore invited to participate in a research project at **MacEwan University – Edmonton**. Pursuant to an agreement with MacEwan University – Edmonton, Mitacs will administer your funding grant.

Mitacs Globalink Research Internship is a competitive program that pairs top-ranked international students with specific research expertise with faculty at Canadian academic institutions for a twelve (12) week research project of mutual interest in the period of May to October. You have been selected by your Canadian host faculty project leader due to your background and skills in the research area and the unique contribution you will be making to the research during your stay. **The skills required for your role (as described in the research description below) were found to clearly match your skills set, education, and research experience.**

Research Internship Details

| | |
|--------------------------------|--|
| University/Institution: | MacEwan University – Edmonton |
| Host Professor: | Jeff Davis |
| Research Project Title: | Development of Supervised Machine Learning Classification Algorithms for Mathematical Equation Recognition |
| NOC Code: | 4012 Post-secondary teaching and research assistants |
| Research Description: | The goals of this project is to develop the framework for artificial intelligence software which is capable of equation recognition in terms of first year calculus problems. This will be accomplished using supervised machine learning algorithms to classify mathematical symbols within an image. The significance of this project is to aid instructors in the assessment of students' assignments and exams which can be used in a manner similar to a Scantron which uses only visual input. |

During your stay, you will be: Working closely with the mentor, the student will help design and implement the software. Design will include: a literature review and determining the required classification scheme. Implementation includes: developing an application which will help setup the training data, trains the machine learning recognition algorithm (using OpenCV), and finally testing them with real world input.

Duration of Research: 12 weeks - to begin between May 1 and July 31, 2020 (unless otherwise approved by Mitacs) and end no later than October 31, 2020. Shortened durations must be agreed upon with the Supervisor and Mitacs. Durations of more than twelve (12) weeks will not be permitted.

Hours of Work: Forty (40) hours per week.

Your award covers the full twelve (12) week of your internship unless you fall short of the full twelve (12) weeks, in which case the award will be prorated according to time actually spent in Canada contributing to the internship project.

For immigration purposes, as a Globalink Research Internship award recipient entering Canada for 120 consecutive days or less, you may be eligible for a work permit exemption under the [Global Skills Strategy](https://www.canada.ca/en/immigration-refugees-citizenship/services/visit-canada/entry-requirements-country.html). Upon arrival at the Port of Entry, you should have supporting documents, such as:

- a copy of this award letter in its entirety
- your valid passport and any other document required to enter Canada (see <https://www.canada.ca/en/immigration-refugees-citizenship/services/visit-canada/entry-requirements-country.html>)
- proof that you meet requirements of the job, such as proof of work experience and education
- request a visitor record from Canadian border officials upon arrival at a Port of Entry

We look forward to welcoming you as a temporary member of the research team at MacEwan University – Edmonton.

Acknowledgements :

Mitacs Globalink gratefully acknowledges the financial support of the Government of Alberta, the Government of Canada as well as our partner in India, The All India Council for Technical Education (AICTE).

Mitacs Globalink is delivered by Mitacs on behalf of the following Academic partners:

| | | |
|---------------------------------------|---|---|
| Acadia University | Queen's University | Université INRS |
| Athabasca University | Royal Military College of Canada | Université Laval |
| Bishop's University | Royal Roads University | University of Alberta |
| Brandon University | Ryerson University | University of Calgary |
| Brock University | Saint Mary's University | University of Guelph |
| Cape Breton University | Saint Paul University | University of Lethbridge |
| Carleton University | Simon Fraser University | University of Manitoba |
| Concordia University | St. Francis Xavier University | University of New Brunswick |
| Concordia University of Edmonton | TÉLUQ-Université du Québec | University of Northern British Columbia |
| Dalhousie University | The University of British Columbia | Ontario Tech University |
| École de Technologie Supérieure | Thompson Rivers University | University of Ottawa |
| Emily Carr University of Art + Design | Trinity Western University | University of Saskatchewan |
| HEC Montréal | Université de Moncton | University of Toronto |
| Lakehead University | Université de Montréal | University of Victoria |
| Laurentian University | Université de Sherbrooke | University of Waterloo |
| McGill University | Université du Québec à Chicoutimi | University of Windsor |
| McMaster University | Université du Québec à Montréal | University of Winnipeg |
| Memorial University of Newfoundland | Université du Québec à Rimouski | Vancouver Island University |
| Mount Allison University | Université du Québec à Trois-Rivières | Western University |
| Mount Saint Vincent University | Université du Québec en Abitibi-Témiscamingue | Wilfrid Laurier University |
| OCAD University | Université du Québec en Outaouais | York University |
| Polytechnique Montréal | Trent University | University of Regina |

Sincerely,



Petra Kukacka
Director, Program Operations

Enclosure::

- Appendix A: Terms and Conditions

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Please note that your funding is provided in accordance with the All India Council for Technical Education (AICTE).

Obligations of Mitacs

a) Financial arrangements

Mitacs will be responsible for providing the following:

1. An airfare stipend of \$1500 CA;
2. A living stipend of \$200 CA per week;
3. Ensure that you receive Canadian medical insurance;
4. A daily allowance of \$42 CA for housing, for the duration of your research internship;
5. Provide a stipend of \$300 CA for any student fees charged by your Canadian host institution (Student fees above \$300 CA are the responsibility of the Globalink Research Intern); and
6. Provide reimbursement of immigration permit application fees (as required to participate in the research internship – up to a maximum of \$185 CA).

Under Mitacs' funding policy, we are unable to provide you with any funds in advance of your internship start date and arrival in Canada. On arrival in Canada with a valid immigration permit, you will receive your first payment installment from Mitacs. Interns will be responsible for opening a Canadian bank account, following Mitacs' instructions, in order to receive funds once in Canada.

b) Local arrangements

You are responsible for finding and acquiring your accommodations for the duration of your stay, but Mitacs will provide support for your search should you require it.

Mitacs will assume responsibility for the following aspects of your local arrangements:

1. Provision of medical insurance to cover you for the duration of your research internship, either through participation in a mandatory health care insurance policy offered by your host institution, or an equivalent policy purchased by Mitacs on your behalf;
2. Professional skills workshops and/or industry and/or government meetings to enhance the experience of your research internship;
3. Provision of a Mitacs-approved Globalink Mentor for you to consult with about issues and questions that arise during your stay in Canada and act as your emergency contact; and
4. Other activities at the sole discretion of Mitacs.

Obligations of the Globalink Research Intern

1. Please be advised that, for immigration purposes, Mitacs is not your representative and cannot provide advice on immigration matters. Mitacs will provide you with information as obtained on public government websites to help guide you through the process on immigration, but Mitacs cannot guarantee positive immigration outcomes.
2. Interns are required to participate in the program for 3 months, working a total of 40 hours per week for their host professor on their research project, unless otherwise arranged with the Canadian faculty member and approved by Mitacs. If your internship length needs to be shortened, contact Mitacs at helpdesk@mitacs.ca.
3. As a key component of the Globalink program, Mitacs may offer program participants opportunities to engage in professional skills workshops, industry and government relations meetings, and other networking opportunities to supplement your research experience. Mitacs will, whenever possible, schedule meetings and workshops in such a way as to minimize the impact on your primary focus, that of contributing to the research project. You are encouraged to participate in such Mitacs-arranged meetings and workshops, and your host professor will be asked to support this component of the Globalink program. You are normally expected to dedicate 40 hours per week on your research project, and will need to make arrangements with your host professor regarding time away from your research project.


● Montréal, QC
405 avenue Ogilvy
Bureau 101
Montréal, QC H3N 1M3

● Ottawa, ON
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● Toronto, ON
Banting Institute, University of Toronto
522 – 100 College Street
Toronto, ON M5G 1L5

● Vancouver, BC
Suite 301 – 6190 Agronomy Road
University of British Columbia
Vancouver, BC V6T 1Z3

4. Interns are expected to complete a final survey administered by Mitacs to rate their experience of the program.
5. Interns are required to check with the AICTE regarding any conditions or actions involved with receiving AICTE funding to participate in the program.

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