

APPLICATION FORM (INTERNSHIP) HIGH POTENTIAL INDIVIDUALS GLOBAL TRAINING PROGRAM

AGREEMENT

As stated below, I submit this application form to IITP regarding “High Potential Individuals Global Training Program” supported by Ministry of Science, ICT in South Korea.

* IITP : Institute for Information & communications Technology Planning & Evaluation

Printed Name of
CEO

Guennadi Saiko

Date(mm-dd-yyyy)

01-31-2020

Signature of
CEO



(Note) This application is to represent the willingness to participate in this internship program and to search a partnership for institutes in Korea. Therefore, in its sole discretion, it is acceptable to contain only minimal information. (max. 3 pages) IITP may disclose the information below to the public for the purpose of providing information and matching a partnership between your institute and a Korean university.

1. Institute Name							
2. Details	Address				Website		
	Number of employees		8		Category		<input type="checkbox"/> University <input type="checkbox"/> Research Institute <input checked="" type="checkbox"/> Industry <input type="checkbox"/> ETC.
3. Technology field	A.I.	Big Data	Cloud Computing	Block Chain	AR/VR	ICT/SW Convergence	Other ICT /SW
	X	X	X			X	
4. CEO	Title		Dr.		Contact		
	Name		Guennadi Saiko				
						Tel :+1-416-616-7820	



5. Capacity for interns	3	Support for students (all necessary)	(X) Visa support (X) Mentoring (X) Working Space (X) Accessibility to equipment
6. Objectives	<p>Develop a classification algorithm capable of classifying different types of respiratory sounds</p> <p>Implement the algorithm into distributed architecture (app + cloud backend)</p> <p>Test the solution in clinical settings</p>		
7. Interns' Roles and Responsibilities	<p>The first intern will be responsible for the development of a classification algorithm. He/she will be responsible for all stages of algo development: training/test set preparation, feature extraction, NN construction, NN training, optimization, algorithm evaluation</p> <p>The second intern will be responsible for the development of cloud infrastructure. He/she will design and implement optimal and scalable cloud architecture</p> <p>The third intern will be responsible for the development of a clinical app prototype, which will be used by front line health professionals. He/she will integrate trained NN into the app. He/she will be responsible for all aspects of medical app development: analyze user requirements,- design and develop a solution, test solution, deploy the solution, incorporate customer feedback. He/she will also be involved in clinical validation/evaluation.</p>		
8. Requirements for Position	<p>Common requirements: Computer Science or Software Engineering is preferable. Interest in healthcare and digital health</p> <p>Intern 1: experience with Neural networks (preferably CNN), understanding ML concepts and methods, Python, Tensorflow</p> <p>Intern 2: experience with cloud infrastructure (AWS or Google Cloud, preferably), cloud computing, serverless architecture, Python</p> <p>Intern 3: app development experience (iOS or Android), UX development (nice to have)</p>		
9. Working Environment	<p>High tech startup environment. Office: collaborative space located at Ryerson University campus in downtown Toronto. Access to all student facilities (gym, library). Access to extensive entrepreneurial programming (workshops, seminars)</p>		
10. Request for Korean Universities	<p>- The selection of students studying abroad should be conducted after mutual consultation, and please cooperate as much as possible to prepare for VISA.</p>		