Job Posting:170686 - Position: F25 Deep Learning Developer for Retinal Image Segmentation 170686

Co-op Work Term Posted:	2025 - Fall
App Deadline	06/18/2025 09:00 AM
Application Method:	Through UBC Science Co-op
Posting Goes Live:	06/12/2025 02:56 PM
Job Posting Status:	Approved

ORGANIZATION INFORMATION

Organization	UBC Ophthalmology Department
Address Line 1	UBC, Room 440-818 West 10th
Address Line 2	Neuroscience of Vision & Action Lab
City	Vancouver
Postal Code / Zip Code	V5Z 1M9
Province / State	BC
Country	Canada

JOB POSTING INFORMATION

Placement Term	2025 - Fall
<b> Job Title <b>	F25 Deep Learning Developer for Retinal Image Segmentation 170686
Position Type	Co-op Position
Job Location	Vancouver, BC
Country	Canada
Duration	4 months
Work Mode	In-Person
Salary Currency	CAD
Salary	3000.0 per month for 40 Major List

Job Description

We are seeking a Deep Learning Developer to build an automated segmentation model for identifying lesions associated with diabetic retinopathy in retinal fundus images. Using a pixel-level annotated development dataset, the successful candidate will implement and evaluate a state-of-the-art deep learning pipeline for medical image segmentation.
This position is part of a broader research effort at the intersection of artificial intelligence and health, with the goal of advancing automated tools for retinal image analysis. The project emphasizes clean, modular code and reproducible results, with opportunities for meaningful application to real-world health data.

Job Requirements

Required:
• Strong knowledge and hands-on experience in image segmentation, including implementation and evaluation of deep learning models.
• Familiarity with state-of-the-art segmentation architectures (e.g., U-Net, DeepLab, Mask R-CNN, transformers for segmentation) and their practical applications.
• Proficiency in Python and deep learning frameworks such as PyTorch or TensorFlow.
• Ability to write clear, modular, and well-documented code.

• Strong problem-solving skills, attention to detail, and ability to work independently.

Preferred:

• Experience with in AI-assisted retinal image analysis

• Interest in contributing to the research landscape at the nexus of AI and health

Citizenship Requirement N/A

APPLICATION INFORMATION

Application Procedure Through UBC Science Co-op

Cover Letter Required? Yes

Address Cover Letter to Ipek Oruc