



Bekhzod Olimov
(올리모브 백조드)

*PhD in Computer Science and
Engineering*

A bright, target-driven, and
articulate Machine Learning and
Deep Learning enthusiast.

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EDUCATION

Computer Science and Engineering, PhD

Kyungpook National University

4.3 / 4.3

09/2019 ~ 08.2022

SKILLS

Image Classification	Semantic Segmentation	GAN
Object Detection	ML / DL	NLP
Retrieval/tracking	PyTorch	TensorFlow
Python	NumPy	CV2
huqqingface	transformers	Ubuntu/Linux
Git/docker		

PROJECTS

Lesion Segmentation Study for Skin Cancer Diagnosis	08/2019~03/2020
Sentiment Analysis with Deep Learning using BERT	01/2020~03/2022
Object Classification in Autonomous Driving Applications	03/2020~09/2020
Development of Access Control System for People without Masks	08/2020~03/2021
Detection and Visualization of Abnormal Images in Fabric Products using AI	06/2021~06/2024
Artificial Intelligence-based Parking Sign Recognition System for the Disabled	08/2021~03/2022
Illegal Reading Application	09/2022~
Background Removal using Semantic Segmentation	09/2022~
License Plate Generation & Recognition	10/2023~01/2023
Counting Number of People in the Crowd	11/2023 ~ 02/2023
Webtoon Character Generation based on the text prompt using AI	01/2023~
Automobile parts recognition using AI object detection technology	03/2023~10/2023
Neural Tube Semantic Segmentation using AI	09/2023~
Automated System for Answering Complaints in the Korean Customs Office	01/2024 ~

PUBLICATIONS

Weight initialization based-rectified linear unit activation function to improve the performance of a convolutional neural network model

Concurrency and Computation: Practice and Experience

DeepCleanNet: Training Deep Convolutional Neural Network with Extremely Noisy Labels

IEEE Access, 2020

FU-Net: Fast Biomedical Image Segmentation Model based on Bottleneck Convolution Layers

Multimedia Systems, 2020

REF-Net: Robust, Efficient and Fast Network for Semantic Segmentation Applications using Devices with Limited Computational Resources

IEEE Access, 2021

AEDCN-Net: Accurate and Efficient Deep Convolutional Neural Network Model for Medical Image Segmentation

IEEE Access, 2021

UzADL: Anomaly Detection and Localization using Graph Laplacian Matrix-Based unsupervised Learning Method

Computers & Industrial Engineering, 2022

CMSFL-Net: Consecutive Multi-scale Feature Learning-based Image Classification Model

Scientific Reports, 2023

Extensive Knowledge Distillation Model: An End-to-End Effective Anomaly Detection Model for Real-Time Industrial Applications

IEEE Access, 2023

LANGUAGE CERTIFICATES

TOPIK (Test of Proficiency in Korean)	Level 6 / 6 (Full Professional Proficiency)
TOEIC (Test of English for International Communication)	985 / 990 (Full Professional Proficiency)
KIIP (Korean Immigration and Integration Program)	Level 5 / 5 (Full Professional Proficiency)
Russian and Uzbek	<i>Native or bilingual proficiency</i>