G'ayrat Tangriberganov

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Short Bio

I am a Researcher in Konyang University Medical Center. Prior to joining the current research center, I spent two memorable years as Graduate student and obtained M.Eng. degree in 2020 from Kumoh National Institute of Technology.

My research spans Computer Vision with a focus on Instance Segmentation, Medical Image Generation, and Self-Supervised Learning task

Employment History

Aug 2020 - present	Konyang University Medical Center *Researcher*
Sep 2017- Aug 2018	Tashkent University of Information Technologies *Assistant Teacher*

Activities

Image Generation	We implemented Generative adversarial network models such as PGAN, StyleGAN2, 3-ADA to generate medical image like PNS. The goal is to oversample imbalance medical dataset. The further detail is given in this link
Instance Segmentation	We implemented polyp segmentation using Yolact model. This work is described in this link.
Self-supervised learning	Downstream tasks always require annotated dataset. But, it is time-consuming and costly. We purpose to do polyp recognition with no label in this activity. There is detailed information in this link

Education

2018-2020	M.Eng. in Software Engineering - Kumoh National Institute of Technology in South Korea, Gumi
2015-2017	M.Sc. in Telecommunication Engineering - Tashkent University of Information Technologies in Uzbekistan
2011-2015	B.Sc. in Telecommunication Engineering - Tashkent University of Information Technologies in Uzbekistan

Interests

Image-Classification-on-small-datasets-in-Pytorch	I like making a useful GitHub codes. I aim that newbies of AI can have a perfect understanding about Deep Learning by using my those GitHub codes.