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Short Bio

I am a Research Scientist in Konyang Healthcare Data Science Center, at Kumoh Hospital. Prior to joining the current research center, I spent two memorable years as Graduate student and obtained M.Sc. 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 Healthcare Data Science Center *Research Scientist*
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.Sc. 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

Web development

I like developing website using Django framework. I made Goodreads-clone. The original goodreads website is an American social cataloging website and a subsidiary of Amazon that allows individuals to search its database of books.

ETL development

My next interest is ETL development. I have performed 3 small projects using three steps. **Extraction**: The data has been downloaded from public platform Kaggle, the files used for extraction were originally formatted as .csv and .json. **Transformation**: Python has been used as the tool for transformation of datasets using the Pandas Library. **Loading**: Relational database PostgresSQL has been used to load the data.