Daekyung Kim

AI/ML researcher

Education

Hyundai Cheong-woon High School(2005~2008)

Hanyang University(2009~2016)
Electronic Engineering

Seoul National Universitiy(2019~2021)
Bioengineering
Analysis of medical images base on deep learning

Experience

LG electronics internship(2014.07~08)
Mobile logic design team

LG display(2016.02~2019.01)
PO circuit design team
Test & validation of display product
Product development management
Optical compensation algorithm development

Monitor corperation(2021.04~)
AI researcher
Developing DNN model for analysizing medical image

Projects

OLED optical compensation algorithm

- LG Display
- Used: C++, mfc
- Design the algorithm for operating OLED module at target status

Lung CT nodule type classification

- Team project
- Used: Python, tensorflow
- Built a 3D DNN model for classfying 3 types of lung cancers on CT image
- A CNN model, attention modules and an ensemble method are applied

Weakly Supervised Branch Network With Template Mask for Classifying Masses in 3D Automated Breast Ultrasound

- WACV 2022 accepted(1st author).
- Used: Python, tensorflow,
- a novel branch network architecture incorporating segmentation information of masses in the training process

A Conservative Approach for Unbiased Learning on Unknown Biases

- CVPR 2022 accepted(co 1st author)
- Used: Python, Pytorch
- De-bias approach that does not necessitate a predefined bias.

Skills

Python	●●●●● Skillfully handled. more than 3 project.
C++	●●●○○ Possible to implement. 1 project
Tensorflow	●●●●○ Possible to design & implement deep learning architectures newly created
Pytorch	●●●●● Possible to design & implement most of existing method.
mysql	●●●○○ Simple database can be created and manipulated
Jira, Git	●●●○○ Can use tools to communicate with colleague in team

Language

Korean	●●●●○
English	●●●○○