

Daekyung Kim

AI/ML researcher

Education

Hyundai Cheong-woon High School(2005~2008)

Hanyang University(2009~2016)

Electronic Engineering

Seoul National University(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 analyzing 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

● ● ● ○ ○