TaeMi **Kim**

AI Researcher , Data Scientist

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Education

KAIST(Korea Advanced Institute of Science and Technology)
M.S. in INDUSTRIAL AND SYSTEMS ENGINEERING

Daejeon, S.Korea
Mar. 2021 - Feb. 2023

- Total GPA of 3.71 / 4.3

Ewha Womans University
B.S. in STATISTICS

Seoul, S.Korea
Mar. 2016 - Feb. 2021

- Total GPA of 3.99 / 4.3 (4.24 / 4.5)

Experience

SAMSUNG Electronics, Innovation Center
RESEARCHER

Hwaseong, S.Korea
Feb. 2023 -

- Facility Process Intelligence
- Develop automatic abnormality detection system

Project

Seegene Medical Diagnosis System Based on AI
RESEARCHER

KAIST, Daejeon
Mar. 2021 - Feb. 2023

- Research project with Seegene
- Weakly supervised learning for microscope histopathology segmentation
- Applying camouflaged object detection based modules to fully convolutional network
- Design of an deep Learning based architecture and pipelines for malignant tumor segmentation using colon pathology dataset.

ETRI Human Understanding Artificial Intelligence Paper Competition
CONTRIBUTOR

KAIST, Daejeon
April. 2022 - June. 2022

- Emotion Recognition task using multimodal dataset (text & audio of dialogue)
- Development of LSTM/Transformer based model
- Design of a loss for resolving class imbalance problem

Self-supervised Learning for Music Genre Classification
CONTRIBUTOR

KAIST, Daejeon
Mar. 2022 - June 2022

- Audio genre classification task
- Implementation of self supervised learning using SimSiam based model
- Applying audio augmentation methods

Stackoverflow Tag Prediction
CONTRIBUTOR

KAIST, Daejeon
Mar. 2021 - June. 2021

- Tag prediction task using graph data
- Implementation of GNN based model

Publications

Weakly Supervised Semantic Segmentation of Histopathology Image
Taemi Kim, Sungrae Hong, Youngsin Go, Yumi Choi, Mun Yi, *KIIE, 2022*.

A Simple Cut Augmentation for Medical Pathology Image
Sungrae Hong, **Taemi Kim**, Youngsin Go, Yumi Choi, Mun Yi, *KIIE, 2022*.

MATE : the Multimodal model using Audio and Text for Emotion recognition
Sungrae Hong, **Taemi Kim**, Sol Lee, Jongwoo Kim, Mun Yi, *KIISE, 2022*.

Thesis

MASTER'STHESIS

KAIST, Daejeon

Applying Camouflaged Object Detection Modules to Microscopic Histopathology Images for Weakly Supervised Semantic Segmentation

Awards & Honors

AWARDS

2022   **MSIT Minister's Award**, ETRI Human Understanding Artificial Intelligence Paper Competition

HONORS

2020   **Academic Excellence Honors**, awarded to students with high grade throughout the semester

2018   **Academic Excellence Scholarship**, awarded to students with the highest grade in the college throughout the year

2018   **Academic Excellence Honors**, awarded to students with high grade throughout the semester

2016   **Academic Excellence Honors**, awarded to students with high grade throughout the semester

Extracurricular Activity

BITAmin (Machine Learning Club in Seoul)
MEMBER
- ML / DL study seminar
- Hosting a DL conference with mini projects

Skills

Programming   Python, C++
Deep Learning   Pytorch

Language Skills

ENGLISH
TOEIC 985 (Aug. 2022 -)