

# TaeMi Kim

AI Researcher , Data Scientist

(+82) 10-7922-9738 | xoa19797@gmail.com

## Education

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### KAIST(Korea Advanced Institute of Science and Technology)

M.S. in INDUSTRIAL AND SYSTEMS ENGINEERING

- Total GPA of 3.71 / 4.3

*Daejeon, S.Korea*

*Mar. 2021 - Feb. 2023*

### Ewha Womans University

B.S. in STATISTICS

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

*Seoul, S.Korea*

*Mar. 2016 - Feb. 2021*

## Experience

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### SAMSUNG Electronics, Innovation Center

RESEARCHER

- Facility process intelligence
- Develop automatic abnormality detection system

*Hwaseong, S.Korea*

*Feb. 2023 -*

## Project

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### Seegene Medical Diagnosis System Based on AI

RESEARCHER

- 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.

*KAIST, Daejeon*

*Mar. 2021 - Feb. 2023*

### ETRI Human Understanding Artificial Intelligence Paper Competition

CONTRIBUTOR

- 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

*KAIST, Daejeon*

*April. 2022 - June. 2022*

### Self-supervised Learning for Music Genre Classification

CONTRIBUTOR

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

*KAIST, Daejeon*

*Mar. 2022 - June 2022*

### Stackoverflow Tag Prediction

CONTRIBUTOR

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

*KAIST, Daejeon*

*Mar. 2021 - June. 2021*

## Publications

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### 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, *KIIE, 2022.*

## Thesis

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### MASTER'S THESIS

*KAIST, Daejeon*

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

## Awards & Honors

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### 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

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### BITAmin (Machine Learning Club in Seoul)

#### MEMBER

- ML / DL study seminar
- Hosting a DL conference with mini projects

## Skills

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Programming Python, C++

Deep Learning Pytorch

## Language Skills

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### ENGLISH

TOEIC 985 ( Aug. 2022 - )