

Jaeyeong Kim

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Github: <https://github.com/kjae0>

EDUCATION

Seoul National University (SNU)

2019.03.01 ~ present

- Plant Science & Computer Science and Engineering
- Computer Science Major GPA : 3.95 / 4.3 (21 credits)

RESEARCH INTERESTS

- Computer vision
 - 3D generative model

RESEARCH & WORK EXPERIENCES

Seoul National University College of Medicine

Undergraduate Researcher

2023.04 ~ present

- CT image 3D reconstruction / segmentation
- Deep learning based non-invasive medical diagnosis

Team Bind

Machine Learning Engineer

2023.06 ~ 2024.03

- Fashion category classification
- Table recognition / OCR for detail information

AWARDS AND HONORS

Competition

- 2024 SNU FastMRI Challenge - (2nd / 160 teams, Team Captain)
 - MRI image reconstruction from kspace images
 - Hosted by Seoul National University Dept. of Electronic and Computer Engineering
- Prediction of breast cancer lymph node metastasis AI Competition - (1st / 446 teams, Solo)
 - Breast cancer diagnosis based on lesion / tumor image
 - Hosted by Yonsei Severance Hospital
- Samsung AI Challenge : Image Quality Assessment - (1st / 57 teams, Solo)
 - Task1: Image quality assessment
 - Task2: Image captioning
 - Hosted by Samsung SAIT
- Prediction of Bok choy growth - (3rd / 171 teams, Solo)
 - Prediction of bok choy growth from environmental factors
 - Hosted by KIST

PUBLICATIONS

[1] Evaluating the Diagnostic Potential of Connected Speech for Benign Laryngeal Disease Using Deep Learning Analysis

Jeong Hoon Lee, Jungirl Seok, **Jae Yeong Kim**, Hee Chan Kim, and Tack-Kyun Kwon
Journal of Voice, 2024

[2] Deep Learning-Based Segmentation of Predefined Chunks in Connected Speech: a retrospective analysis
Jae Yeong Kim*, Jungirl Seok*, Jehyun Lee, Jeong Hoon Lee, and Tack-Kyun Kwon
(* equal contributions)
Journal of The Korean Society of Laryngology, Phoniatrics and Logopedics, 2024

[3] Non-Invasive Jaundice Prediction Using AI: Machine Learning Analysis of Sclera and Urine Images
Jungirl Seok*, **Jae Yeong Kim***, Sang Gyune Kim, Young Seok Kim, and Jeong-Ju Yoo
(* equal contributions)
Preprints.

SKILLS

Language

- Korean (native)
- English
 - new TEPS 455 (Grade 1)

Programming Language

- Python
 - Pytorch | Numpy
- C / C++
- Java