

JEONGIN KIM

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RESEARCH INTERESTS

Low-Supervision Learning. Overcoming annotation dependency for scalable visual perception. My work emphasizes **active, weakly, and semi-supervised learning** to maximize data efficiency in tasks such as **semantic segmentation and object detection**.

Medical Domain Applications. Developing robust AI for clinical use by addressing sparse and imperfect labels. I explore **positive-unlabeled learning** for Chest X-Rays, focusing on precise disease classification/localization and longitudinal disease tracking.

EDUCATION

Ewha Womans University

M.S.–Ph.D., Artificial Intelligence (Advisor: Prof. Junhyug Noh)

March 2024 – February 2029 (Expected)

Seoul, South Korea

Kumoh National Institute of Technology

B.S., Electronic Engineering

March 2019 – August 2023

Gumi, South Korea

WORK EXPERIENCE

Ewha Womans University Medical Center (EUMC)

Graduate Research Assistant

July 2025 – Present

Seoul, South Korea

DXR Co., Ltd

Research Intern

July 2024 – June 2025

Seoul, South Korea

PUBLICATIONS

Jeongin Kim, Wonho Bae, YouLee Han, Giyeong Oh, Youngjae Yu, Danica J. Sutherland, Junhyug Noh, “Diffusion-Driven Two-Stage Active Learning for Low-Budget Semantic Segmentation.” **NeurIPS 2025**.

Jeongin Kim, Otto Frederike, Yeon-Mo Yang, and Wansu Lim, “An efficient scheme on face recognitions by Eigenface analysis,” **JKIIS**, vol. 33, no. 1, 2023.

Jeongin Kim, Paul Angelo Oroceo, and Wansu Lim, “Implementation of a Reliable VUI System on Edge Device,” **KICS**, vol. 47, no. 8, 2022.

AWARDS

NeurIPS Scholar Award

NeurIPS 2025

December 2025

San Diego, USA

3rd Prize, Autonomous Driving AI Algorithm Development Challenge

M.DataSync

October 2023

Seoul, South Korea

TECHNICAL SKILLS

Languages: Python, C/C++, MATLAB/Simulink

ML/DL Framework: PyTorch, TensorFlow

Operating Systems: Linux (Ubuntu), macOS, TinyOS

Tools & Skills: Git, Docker, Slurm (HPC), LaTeX

Embedded Systems: NVIDIA Jetson (Orin, TX2, Xavier NX, Nano), OpenBCI, LTE-M Module

REVIEWER

IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)