

Gyeong-hyeon Kim

PH.D. STUDENT · CHUNG-ANG UNIVERSITY

Room# 312, The 2nd Engineering Bldg (Bldg# 208), 84 Heukseok-ro, Dongjak-gu, Seoul, 06974, South Korea

✉ leonardkhh@cau.ac.kr | 🏠 gyeonghyeon.netlify.app | 📷 ghyeonkk | 📺 gyeong-hyeon-kim-3aa89817a | 🎓 Gyeong-hyeon Kim

Education

Chung-Ang University

PH.D. IN COMPUTER SCIENCE AND ENGINEERING

- Advisor: Eunwoo Kim

Seoul, South Korea

Mar. 2023 - Present

Chung-Ang University

M.S. IN COMPUTER SCIENCE AND ENGINEERING

- Dissertation title: "Temporal Action Segmentation with Alleviating Local Context Fading"
- Advisor: Eunwoo Kim
- Overall GPA: 4.39/4.5

Seoul, South Korea

Mar. 2021 - Feb. 2023

Chung-Ang University

B.S. IN COMPUTER SCIENCE AND ENGINEERING

- Overall GPA: 3.81/4.5

Seoul, South Korea

Mar. 2014 - Feb. 2021

Publications

INTERNATIONAL JOURNAL

GhostNeXt: Rethinking Module Configurations for Efficient Model Design

KISEONG HONG, GYEONG-HYEON KIM, AND EUNWOO KIM

Applied Sciences, vol. 13, no. 5

Mar. 2023

Stacked Encoder-Decoder Transformer with Boundary Smoothing for Action Segmentation

GYEONG-HYEON KIM, AND EUNWOO KIM

Electronics Letters, vol. 58, no. 25, pp. 972-974

Dec. 2022

Projects

Time-Series Action Prediction and Segmentation

FUNDED BY HYUNDAI CONSTRUCTION EQUIPMENT

Mar. 2023 - Dec. 2023

- This project aims to develop high-performing deep learning models to learn and segment time-series actions for various equipments.

Customized Neural Architecture Search and Proposal

FUNDED BY SAMSUNG SDS

Mar. 2021 - Oct. 2021

- This project aims to develop customized neural architecture search technology for visual tasks.
- Co-worked with Samsung SDS AI Vision Lab.

Pose Estimation for Bin-Picking with a 3D Model

FUNDED BY DOOSAN DIGITAL INNOVATION

Oct. 2020 - Dec. 2020

- This project develops exact 6D pose estimation and instance segmentation algorithms for a bin-picking problem of a robot.

Honors & Awards

DOMESTIC

- 2020 **3rd Place**, NIPA Artificial Intelligence Problem Solving Contest (Tile Fine Crack Detection)
- 2020 **3rd place**, Davinci Open Source SW·AI Deep Learning Hackathon

Skills

- Programming** Python, C/C++, Java, OpenCV
- Deep Learning** PyTorch, TensorFlow
- Languages** Korean, English