

Hosik Choi

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<http://ghos0905.github.io>

EDUCATION

Mar. 2021 ~ Present	Yonsei University School of Electrical and Electronic Engineering <i>Advisor: Dae Eun Kim</i> <i>Master Student</i> GPA: 3.93 / 4.5	Seoul, Korea
Mar. 2015 ~ Feb. 2021	Yonsei University Department of Human Environment and Design <i>B.S. in Human Environment and Design</i> GPA: 3.21 / 4.5	Seoul, Korea

RESEARCH INTERESTS

- Computer vision algorithms
- Object detection
- Artificial intelligence
- Deep learning

PUBLICATIONS (SCIE/ESCI)

1. Hosik Choi, Byungmun Kang, Dae Eun Kim, "Moving Object Tracking Based on Sparse Optical Flow with Moving Window and Target Estimator", *SENSORS*, (2022)

PROJECTS

- TOF 카메라를 이용한 제스처 인식기술 개발, (주)와이즈오토모티브, Korea / Development of gesture recognition algorithm (Dec. 2020 ~ Mar. 2021)
- TOF 카메라를 이용한 장애물 인식기술 개발, (주)와이즈오토모티브, Korea / Development of obstacle evasion algorithm (Dec. 2020 ~ Mar. 2021)
- SVM 카메라를 이용한 이동체 인식기술 개발, (주)와이즈오토모티브, Korea / Development of deep learning software (Mar. 2021 ~ Mar. 2022)
- 동물 생체 센서 메카니즘과 인지 능력에 대한 지능 통합 연구와 그 응용, 재단법인 한국연구재단, Korea /

Simulation and research of multi agent system based on swarm robotics (Mar. 2021 ~ Aug. 2021)

- 동물 생체 센서 메카니즘과 인지 능력에 대한 지능 통합 연구와 그 응용II, 재단법인 한국연구재단, Korea / Development of object detection algorithm (Sep. 2021 ~ Apr. 2022)
- GEMS를 이용한 근력/근지구력 평가방법 개발 및 검증, (주)삼성전자, Korea / Signal data acquisition and experiment protocol design (Jan. 2022 ~ Present)

TEACHING ASSISTANT

- ENG1108-04 ENGINEERING INFORMATION PROCESSING, Fall '22, Yonsei University
- ENG2012-01 AI SMART TECHNOLOGY II, Fall '21, Yonsei University
- ENG1108-04 ENGINEERING INFORMATION PROCESSING, Fall '21, Yonsei University
- EEE4320-01 DIGITAL CONTROL ENGINEERING, Spring '21, Yonsei University

CONFERENCES

1. Hosik Choi, DaeEun Kim, "Efficient Data Selection with YOLOv5 Deep Learning Model", The International Council on Electrical Engineering Conference 2022 (ICEE 2022) - Oral

AWARDS AND HONORS

- Best Oral Award, The International Council on Electrical Engineering Conference 2022 (ICEE 2022), Korea (Jul. 2022)

SKILLS AND TECHNIQUES

C, C++, Python, Tensorflow, Pytorch, Matlab