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Youngkwan Cho

Last updated on Apr 14th, 2025

Computer Science and Electrical Engineering | Undergraduate Student @ HGU, South Korea Areas of Interest: Vision understanding, Computer Vision/Graphics, Multi-Modal AI

EDUCATION

B.S. AI Computer Science Engineering Major, Handong Global University

GPA: 4.14/4.5 (Overall), 4.26/4.5 (Major)

Mclean High School

Advisor: Injung Kim

Diploma with High Honors

Mclean, VA, USA Aug 2015 — Aug 2018

Feb 2019 - Aug 2025

RESEARCH

Undergraduate Research Engineer

DLLAB(Deep Learning LAB) @ Handong Global University

- Enhancing dash cam video image quality for license plate identification
- Dash cam video recognition and de-identification for privacy protection
- Advised by Professor In-Jung Kim

Pohang, Korea

Pohang, Korea

Aug 2023 - Jan 2025

PUBLICATIONS

 Kihyun Na, Junseok Oh, Youngkwan Cho, Bumjin Kim, Sungmin Cho, Jinyoung Choi, and InJung Kim "MF-LPR2: Multi-frame license plate image restoration and recognition using optical flow" (Computer Vision and Image Understanding, 2025)

AWARDS & HONORS

National Science & Technology Scholarship

 Scholarship to support undergraduates with strong academic performance in science and engineering, with the purpose of developing future leaders in those fields

Aug 2023 - Jan 2025

- Academic Excellence Scholarship
 - Merit-based Scholarship

SW-Mileage Scholarship

Aug 2022 — Aug 2024

Jan 2022 - Jul 2024

Academic Excellence Scholarship

Admission with highest distinction

Jan 2019

PROJECTS

Multi-Image Super-Resolution & Restoration

• Deep Learning LAB @ Handong Global University

- Deep Learning based Multi Frame Image Restoration using Optical Flow
- · Advised by Professor In-Jung Kim

Aug 2023 — Dec 2023

Aug 2023 — Jan 2025

Semantic Segmentation and Object Recognition

- Deep Learning LAB @ Handong Global University
- Human face & License plate recognition and De-identification within dash cam video
- Advised by Professor In-Jung Kim

EXPERIENCE

PRINCIPAL SUBJECTS Mar 2023 - Dec 2024 HGU, Korea

• GEK10082 / Linear Algebra

ITP20010 / Computer Vision

• ITP20002 / Discrete Mathematics

• ECE30007 / Introduction to AI Project

• ECE30021 / Operating Systems

• ECE30086 / Computer Networks

• ECE30087 / Probability and random processes

TA Experience Aug 2024 - Dec 2024

• ECE10020 / Introduction to Engineering Design HGU, Korea

IT Overseas Volunteer Club Member Aug 2023 — Jan 2024

• Code Cross Club HGU, Korea

HGU, Korea

PPS Camp Participant Jan 2023, Aug 2023, Jan 2024

• Regularly solving code problems during university summer and winter breaks

Pytorch Camp Participant (held by Prof. In-Jung kim) Dec 2022 - Jan 2023

• Learning basic PyTorch concepts and basic Python code utilizing PyTorch HGU, Korea

Machine Learning Camp Participant (held by Prof. Charmgil Hong) Aug 2022

· Learning the concepts and applications of Machine Learning HGU, Korea

TECHNICAL SKILLS

Language Python, C++, Java 3 years

JS, HTML, CSS, Flutter, SQL, Assembly 4 months **Frameworks** 1.5 year

PyTorch, OpenCV **TOEFL, TOEIC** 100,980