

Software Convergence Major | M.S Student @ Kyung Hee University, South Korea

**Areas of Interest:** Vision understanding, Computer Vision/Graphics, Multi-Modal AI

## EDUCATION

### M.S. Software Convergence Major, Kyung Hee University

Advisor: MyeongAh Cho

**Yong-In, Korea**

Aug 2025 — Present

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

GPA: 4.17/4.5 (Overall), 4.26/4.5 (Major)

Graduated with *Summa Cum Laude*

Advisor: InJung Kim

**Pohang, Korea**

Feb 2019 — Aug 2025

### McLean High School

Diploma with High Honors

**McLean, VA, USA**

Aug 2015 — Aug 2018

## PUBLICATIONS

### International Journal

[J1] 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)

## PROJECTS

### Real-World Adverse Weather Image Restoration

**Jun 2025 — Present**

- Visual Science Lab @ Kyung Hee University
- Real-world weather image restoration for robot surveillance
- Advised by Professor MyeongAh Cho

### Multi-Image License Plate Super-Resolution & Restoration

**Aug 2023 — Jan 2025**

- Deep Learning Lab @ Handong Global University
- Multi-image license plate restoration for character recognition on extreme conditions
- Advised by Professor InJung Kim

### Semantic Segmentation and Object Recognition

**Aug 2023 — Dec 2023**

- Deep Learning Lab @ Handong Global University
- Human face & license plate recognition and de-identification within dash cam video for data curation
- Advised by Professor InJung Kim

## AWARDS & HONORS

- **National Science & Technology Scholarship** **Aug 2023 – Jan 2025**
  - Scholarship to support undergraduates with strong academic performance in science and engineering, with the purpose of developing future leaders in those fields
- **Academic Excellence Scholarship** **Aug 2022 – Aug 2024**
  - Merit-based Scholarship
- **SW-Mileage Scholarship** **Jan 2022 – Jul 2024**
- **Academic Excellence Scholarship** **Jan 2019**
  - Admission with highest distinction

## 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**  
HGU, Korea
- ECE10020 / Introduction to Engineering Design
- IT Overseas Volunteer Club Member** **Aug 2023 – Jan 2024**  
HGU, Korea
- Code Cross Club
- PPS Camp Participant** **Jan 2023, Aug 2023, Jan 2024**  
HGU, Korea
- Regularly solving code problems during university summer and winter breaks
- Pytorch Camp Participant (held by Prof. In-Jung kim)** **Dec 2022 – Jan 2023**  
HGU, Korea
- Learning basic PyTorch concepts and basic Python code utilizing PyTorch
- Machine Learning Camp Participant (held by Prof. Charmgil Hong)** **Aug 2022**  
HGU, Korea
- Learning the concepts and applications of Machine Learning

## TECHNICAL SKILLS

<b>Language</b>	Python, C++, Java	3 years
	JS, HTML, CSS, Flutter, SQL, Assembly	4 months
<b>Frameworks</b>	PyTorch, OpenCV	1.5 year
<b>TOEFL, TOEIC</b>	100, 980	