

# Kim Wongyeom

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## Education

### Hanbat National University

Undergraduate Student in Department of Computer Engineering

GPA 4.11/4.5, Major : 4.17/4.5

Daejeon, South Korea

Mar. 2019 - Feb. 2023

### Dongguk University

Master Student in Department of Multimedia Engineering

Seoul, South Korea

Mar. 2023 - Current

## Interests

3D Game Engine, Computer Graphics, AI

## Patents

### 1. Haneol Jang, Wongyeom Kim, Hyunguk Choi, 객체 탐지를 위한 분할 및 통합 방식의 데이터 증강 장치 및 방법

10-2022-0049656(application number), South Korea

Jun. 2021 - Apr. 2022

## Project Experience

### Cloud Semantic Segmentation in Satellite Imagery

- Computer Vision Major Course Term Project

- Semantic segmentation of thick cloud, thin cloud, and cloud shadows included in satellite imagery.

May. 2022 - Jun. 2022

### SI ANALYTICS Intern

- AI Team intern

Jan. 2022 - Feb. 2022

### Customized Smart Home Service Using virtual room

- Capstone Design (Team Leader)

- Development of 3D graphics-based virtual room that can control arduino devices.

Jan. 2022 - Dec.2022

### Development of Semantic Segmentation in Satellite Imagery

- AI Major Course Team Project

- Semantic segmentation of building and road included in satellite imagery.

Nov. 2021 - Dec. 2021

### South Korea COVID-19 information application - KorDemic

- Piece of Data (University Student Development Team)

- provide you with an easy-to-understand overview of the current status of COVID-19, publicly visited places of confirmed patients, etc.

Jul. 2021 - Aug. 2021

### Pokemon Doll Detection Application - PokeDex

- Mobile Computing and Applications Major Course Term Project

- Object detection of various pokemon doll included in photo.(compare histogram, without AI)

May. 2021 - Jun. 2021

## Award and Honer

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### HNU President's Award

2022 소외된 이웃과 함께하는 창의설계 경진대회

Nov. 2012

Sharing and Technologies, Inc.

### Silver Award

2022 창의적 종합설계 경진대회

Oct. 2022

HNU

## Teaching Experience

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### Artificial Intelligence Class

Teaching Assistant (Prof. H.E.Jang)

Sep.2022 - Dec.2022

## Skills

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**Programming Languages :** C++, Python, GLSL, java.

**Tool and Frameworks :** VI/VIM, Vscode, Xcode, Git, Notion.