

Kim Wongyeom

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Education

Hanbat National University

Undergraduate Student in Department of Computer Engineering

GPA 4.1/4.5, Major : 4.18/4.5

Daejeon, South Korea

Mar. 2019 - Current

Interests

Computer Graphics : GPU rendering, 3D reconstruction.

Physics based Simulation : fluid simulation, physics based modeling.

Project Experience

Web-based 3D graphics engine - PoD Engine

Sep. 2022 - Current

- Piece of Data (University Student Development Team)

- Development of engine that creates web 3D graphic space using threejs.

Cloud Semantic Segmentation in Satellite Imagery

May. 2022 - Jun. 2022

- Computer Vision Major Course Term Project

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

SI ANALYTICS Intern

Jan. 2022 - Current

- AI Team intern

Customized Smart Home Service Using virtual room

Jan. 2022 - Feb. 2021

- Capstone Design (Team Leader)

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

Development of Semantic Segmentation in Satellite Imagery

Nov. 2021 - Dec. 2021

- AI Major Course Team Project

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

South Korea COVID-19 information application - KorDemic

Jul. 2021 - Aug. 2021

- 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.

PokeDex

May. 2021 - Jun. 2021

- Mobile Computing and Applications Major Course Term Project

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

Teaching Experience

Artificial Intelligence Class

Sep.2022 - Current

Teaching Assistant (Prof. H.E.Jang)

Skills

Programming Languages : C++, Python, java.

Tool and Frameworks : VI/VIM, Git, Notion.