



Taeyeon Kim

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Experience

KAIST Geometric AI Lab

Research Internship

Daejeon, Republic of Korea

Jul 2023 – Aug 2023

Student Volunteer at SIGGRAPH 2023

Student Volunteer

LA, California, USA

Aug 2023 – Aug 2023

CLASSUM

Frontend Developer Internship

Seoul, Republic of Korea

Oct 2022 – Feb 2023

- Took charge of the web product interfaces of education tool.
- Development of a text editor program to enhance the users' experience.

DGIST High-Assurance Software Systems Lab

Undergraduate Researcher

Daegu, Republic of Korea

March 2022 – June 2022

- Studied digital twin technology with a focus on simulating autonomous delivery drones
- Researched various papers on pathfinding and aimed to test algorithms using Unity.

DGIST Vehicle in Loop Simulation Lab

Undergraduate Researcher

Daegu, Republic of Korea

September 2021 – February 2022

- Developed SCC and AEB system and obtained a license for autonomous driving.
- Conducted research developing an AI model that can recognize unknown dangers in road scenes by training on previously unseen data.

Cyber-Physical Systems Integration Lab

Research Internship

Daegu, Republic of Korea

July 2021

DGIST Brain Robot Augmented Interaction Lab

Undergraduate Researcher

Daegu, Republic of Korea

May 2020 – December 2020

- Trained machine learning and deep learning models to predict a driver's level of sleepiness based on brain signals.
- Managed entire learning process from designing and extracting training data from raw data, constructing models, training and analyzing the results.

Publication

POSE-FREE 3D GAUSSIAN SPLATTING VIA SHAPE-RAY ESTIMATION

ICIP, 2025

Skills

Languages: C++, Python, Pytorch, ROS, React, Redux, Javascript, Typescript, HTML/CSS, \LaTeX

Software: AWS, Microsoft, Blender

Education

Korea Advanced Institute of Science and Technology

M.S. Computer Science (GPA: 4.10/4.30)

Daejeon, Republic of Korea

March 2024 – Current

Daegu Gyeongbuk Institute of Science and Technology

B.S. Computer Science (GPA: 4.05/4.30)

Daegu, Republic of Korea

March 2019 – Feb 2024

University of California

Freshmen Global Leadership Program (GPA: 4.30/4.30)

Berkeley, California, USA

Jul 2019 – Aug 2019

Honors and Awards

Scholarship

DGIST Presidential fellowship

Daegu, Republic of Korea

Aug 2020 – Jul 2023