TAEYUN KIM

DETAILS

EMAIL
tykim5931@gmail.com

LINKS

https://tykim5931.github.io/

https://github.com/tykim5931

SKILLS

Python
● ● ● ● ○

Pytorch, ROS
● ● ○ ○ ○

React, Redux
● ● ● ○ ○

Javascript, Typescript
● ● ○ ○ ○

C, C++
● ● ● ○ ○

Blender
● ○ ○ ○ ○

RESEARCH INTEREST

As a enthusiastic graphics AI researcher and web programmer, my primary research interest lies in the field of 3D vision and graphics, with a specific focus on utilizing AI for 3D scene generation from 2D image views and understanding geometry & physics from images.

EDUCATION

Barchelor of Transdisciplinary Studies, DGIST   Daegu, South Korea
Mar 2019 — Present

- Major track in **Computer Science**
- GPA: 4.05 / 4.3

Freshmen Global Leadership Program, University of California, Berkeley   California, USA
Jul 2019 — Aug 2019

- GPA: 4.3 / 4.3

Exchange program, Seoul National University   Seoul, South Korea
Feb 2023 — Jun 2023

- GPA: 4.1 / 4.3

RESEARCH & WORK EXPERIENCE

Internship, KAIST Geometric AI Lab   Daejeon, South Korea
Jul 2023 — Present

I studied popular 3d geometric ai fields: pointnet, neural radiance fields, stable diffsion. Currently I am working on personal project about enhancing quality of efficient dynamic NeRF.

Student Volunteer, SIGGRAPH 2023, LA   California, USA
Aug 2023 — Aug 2023

Web development Intern, CLASSUM   Seoul, South Korea
Oct 2022 — Feb 2023

As a frontend developer for CLASSUM, I took charge of the web product interfaces and development of a text editor program to enhance the product's functionality.

Student Researcher, HASS (High-Assurance Software Systems) Lab, DGIST   Daegu, South Korea
Mar 2022 — Jun 2022

I studied digital twin technology with a focus on simulating autonomous delivery drones. I researched various papers on pathfinding and aimed to test algorithms using Unity.

Student Researcher, VILS (Vehicle in Loop Simulation) Lab, DGIST   Daegu, South Korea

Sep 2021 — Feb 2022

As a autonomous vehicle developer of the team, I developed SCC and AEB system and obtained a license for autonomous driving. I conducted research developing an AI model that can recognize unknown dangers in road scenes by training on previously unseen data with pytorch.

Internship, CSI (Cyber-Physical Systems Integration) Lab, DGIST   Daegu, South Korea

Jul 2021 — Jul 2021

Student Researcher, BRAIN (Brain Robot Augmented InteractioN) Lab, DGIST   Daegu, South Korea

May 2020 — Dec 2020

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

HONORS AND AWARDS

Scholarship   Daegu, South Korea

Aug 2020 — Jul 2023

DGIST Presidential Fellowship