Jueun Kim

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EDUCATION

Yonsei University (Cumulative(Major) GPA: 4.05(4.08)/4.3)	Seoul, Republic of Korea
B.S. in Computer Science.	*March. 2021 - Present*

EXPERIENCE

Research Intern (Advisor: Prof. Youngwoon Lee) — July. 2024 - present
Yonsei AI

Research Intern (Advisor: Prof. Eunho Yang) — Dec. 2023 – Feb.2024
KAIST AI — *Gyeonggi-do, Republic of Korea*
- Joined a 3d video generation task using 2d stable diffusion model and Neural Implicit reconstruction model like NeRF.

Visiting Scholar — June. 2023 – Sep.2023
Purdue University — *West Lafayette, IN*
- Research on 3D visual implicit RGB - SLAM

AWARDS AND HONORS

Great Honor — 2022-1
Yonsei University

Honor — 2023-2
Yonsei University

Merit-based Scholarship — Dec 2022, Jan 2023, March 2023, Dec 2023, June 2024
Yonsei University

PROJECTS

Meetable | *React, JavaScript, CSS* — Sep. 2023 – Present
- Developed a website for making appointments among many people and for a personal calander.
  Link for meetable
- Front-engineer

WakeUpFromNightmare | *OpenGL, C++* — Mar. 2024 – June. 2024
- OpenGL-based horror game. User must escape the room after finding three keys.
- Link for the video demo

RGB-SLAM | *Python, Pytorch* — Dec 2023 - Feb 2024
- Worked on dense, visual SLAM(Simultaneous Localization and Mapping). We changed the model architecture of RGB-D visual SLAM into RGB visual SLAM which does not require the Depth data anymore. I'm still working on it for publishing our research paper.

3D conditioned Relighting | *Python, Pytorch* — May 2023
- Combination of S3-NeRF (Neural Reflectance Field from Shading and Shadow under a Single Viewpoint) and SDPS Net (Selfcalibrating Deep Photometric Stereo Networks) for a single-view multi-light relighting task under unknown lighting conditions / Participated in YAICON (an internal academic contest)

YouTube Thumbnail-Based Video Categorization Project | *Python, Pytorch* — Dec 2022
- Utilized the YouTube API to collect thumbnail data labeled by genre, and trained the model based on Efficient-Net to estimate the genre of videos.

RELEVANT COURSEWORK

Deep Learning
Computer Vision, Machine Learning , Linear Algebra, Mathematical Problems in Deep Learning, Natural Language Processing, Reinforcement Learning

Programming
Object-Oriented Programming, Data Structures, Logic Circuit Design, Software Engineering, Operating System, Architecture of Computer, Computer Graphics

Technical Skills

Languages: Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS
Frameworks: OpenGL, React, Pytorch, Tensorflow