

TAEWOONG KANG

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Google Scholar ◊ Github

EDUCATION

Korea Advanced Institute of Science and Technology (KAIST)

March 2024 - Present

Integrated Master's and Ph.D. program in Artificial Intelligence

Current GPA: 4.3/4.3

Advisor : Jaegul Choo

Related courses: Generative and Unsupervised Deep Learning, 3D vision.

Korea University

March 2018 - Feb 2024

B.E. in Electoronical Engineering

GPA: 4.01/4.5

Major GPA: 4.24/4.5

RESEARCH INTERESTS

I am interested in 3D vision and Generative models. Currently especially in Gaussian Splatting.

Keywords : 3D Reconstruction, Geometry, Diffusion

PUBLICATIONS

VEGS: View Extrapolation of Urban Scenes in 3D Gaussian Splatting using Learned Priors [1]Sungwon Hwang*, Minjung Kim*, **Taewoong Kang**, Jayeon Kang, and Jaegul Choo. European Conference on Computer Vision (ECCV), 2024, Milano, Italy.

Expression Domain Translation Network for Cross-domain Head Reenactment [2]**Taewoong Kang***, Jeongsik Oh*, Jaeseong Lee, Sunghyun Park, and Jaegul Choo International Conference on Acoustics, Speech, and Signal Processing (ICASSP), 2024, Seoul, Korea.

ACHIEVEMENTS

Sukrim Scholarship Korea Uni.

Fall 2022

An award certificate

Fall 2023, Spring 2023, Fall 2022, Spring 2022

SKILLS

Programming Languages

Python, C/C++, MATLAB

Machine Learning Tools

Pytorch, Sklearn, Numpy

- [1] S. Hwang, M.-J. Kim, **Kang, Taewoong**, J. Kang, and J. Choo, "Vegs: View extrapolation of urban scenes in 3d gaussian splatting using learned priors," *arXiv preprint arXiv:2407.02945*, 2024.
- [2] **Kang, Taewoong**, J. Oh, J. Lee, S. Park, and J. Choo, "Expression domain translation network for cross-domain head reenactment," in *ICASSP 2024-2024 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, IEEE, 2024, pp. 7356–7359.