

# Kunhee Kim

✉ kunhee.kim@kaist.ac.kr • 🌐 kunheekim.xyz

## Education

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**Korea Advanced Institute of Science and Technology**

*PhD student, Artificial Intelligence*

**South Korea**

*from Feb 2023*

**Pohang University of Science and Technology**

*M.S., Computer Science and Engineering*

**South Korea**

*Aug 2022*

**Seoul National University of Science and Technology**

*B.S., Electrical and Information Engineering*

**South Korea**

*Feb 2020*

◦ Minor: Computer Science and Engineering

## Research Experience

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**NAVER WEBTOON**

*Intern, Generative Model Research team*

**South Korea**

*Aug 2022 – Feb 2023*

## Teaching Experience

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**Pohang University of Science and Technology**

*Teaching Assistant, CSED233-01 Data Structure*

**South Korea**

*Spring 2021*

## Publications

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- [1] Taehun Kim, **Kunhee Kim**, Joonyeong Lee, Dongmin Cha, Jiho Lee, and Daijin Kim. "Revisiting Image Pyramid Structure for High Resolution Salient Object Detection". In: *Proceedings of the Asian Conference on Computer Vision (ACCV)*. 2022.
- [2] Jiho Lee, **Kunhee Kim**, Taehun Kim, and Daijin Kim. "Improving Style Randomization via Domain-specific Feature Reweighting for Domain Generalization". In: *2022 30th European Signal Processing Conference (EUSIPCO)*. IEEE. 2022, pp. 1457–1461.
- [3] **Kunhee Kim**, Sanghun Park, Eunyeong Jeon, Taehun Kim, and Daijin Kim. "A Style-Aware Discriminator for Controllable Image Translation". In: *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*. 2022.
- [4] Seongyeop Yang, **Kunhee Kim**, and Yeejin Lee. "Dense depth estimation from multiple 360-degree images using virtual depth". In: *Applied Intelligence* (2022), pp. 1–11.
- [5] Eunyeong Jeon, **Kunhee Kim**, and Daijin Kim. "FA-GAN: Feature-aware gan for text to image synthesis". In: *IEEE International Conference on Image Processing (ICIP)*. 2021.
- [6] Sanghun Park, **Kunhee Kim**, Eunseop Lee, and Daijin Kim. "Localization Uncertainty-Based Attention For Object Detection". In: *IEEE International Conference on Image Processing (ICIP)*. 2021.

## Academic Services

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- Conference reviewer: CVPR (2022, 2023), ICCV 2023, ECCV 2022, ACCV 2022.
- Journal reviewer: TPAMI.

## Skills and Interests

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**Skills** Python, PyTorch  
**Interests** Generative models, representation learning