

JISU NAM

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RESEARCH INTEREST

Diffusion-based Generative Models, Visual Correspondence

EDUCATION

Korea University Sep. 2022 - Present
Integrated M.S./Ph.D. in Computer Science and Engineering *Seoul, Korea*
Supervisor: Seungryong Kim

Korea University Mar. 2018 - Aug. 2022
B.S. in Biomedical Engineering *Seoul, Korea*
Interdisciplinary Major in Artificial Intelligence

EXPERIENCE

Naver Cloud Apr. 2023 - Oct. 2023
Research Intern *Seoul, Korea*
Mentors: Seunggyu Chang

PUBLICATION

Jisu Nam, Heesu Kim, DongJae Lee, Siyoon Jin, Seungryong Kim, and Seunggyu Chang, “Dream-Matcher: Appearance Matching Self-Attention for Semantically-Consistent Text-to-Image Personalization”, *IEEE Conference on Computer Vision Pattern Recognition (CVPR)*, 2024.

- Diffusion Models, Text-to-Image Personalization, Visual Correspondence

Jisu Nam, Gyuseong Lee, Sunwoo Kim, Hyeonsu Kim, Hyoungwon Cho, Seyeon Kim, and Seungryong Kim, “Diffusion Model for Dense Matching”, *International Conference on Learning Representations (ICLR)*, 2024 (**Oral Presentation**) (1.2% acceptance rate).

- Diffusion Models, Visual Correspondence

Kihong Kim*, Yunho Kim*, Seokju Cho, Junyoung Seo, **Jisu Nam**, Kychul Lee, Seungryong Kim, KwangHee Lee, “DiffFace: Diffusion-based Face Swapping with Facial Guidance”, arXiv, 2022.

- Diffusion Models, Face Swapping

Sunghwan Hong, **Jisu Nam**, Seokju Cho, Susung Hong, Sangryul Jeon, Dongbo Min, and Seungryong Kim, “Neural Matching Fields: Implicit Representation of Matching Fields for Visual Correspondence”, *Neural Information Processing Systems (NeurIPS)*, 2022.

- Visual Correspondence, Implicit Neural Representation

Sunghwan Hong*, Seokju Cho*, **Jisu Nam**, Stephen Lin, Seungryong Kim, “Cost Aggregation with 4D Convolutional Swin Transformer for Few-Shot Segmentation”, *European Conference on Computer Vision (ECCV)*, 2022.

- Visual Correspondence, Few-shot Segmentation

HONORS

33th Artificial Intelligence and Signal Processing, IEIE 2023
Best Paper Award

ACADEMIC SERVICES

Reviewer

- CVPR - 2023, 2024