

# Hyelin Nam

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## RESEARCH INTEREST

**Generative Models, Diffusion Models, Representation Learning**

## EDUCATION

<b>KAIST</b> <i>M.S. Artificial Intelligence</i>	March 2023 - Feb 2025 ( <i>Expected</i> ) <i>Advisor: Prof. Jong Chul Ye</i>
<b>Chung-Ang University</b> <i>B.S. Industrial Security, Applied Statistics (Double Major)</i>	March 2018 - Feb 2023 <i>GPA: 4.19/4.5</i>
<b>Singapore Management University</b> <i>Computing and Information Systems (Exchange Student)</i>	Jan 2022 - April 2022 <i>Singapore, Singapore</i>

## PUBLICATIONS

[C3] <b>CFG++: Manifold-constrained Classifier Free Guidance For Diffusion Models</b> Hyungjin Chung*, Jeongsol Kim*, Geon Yeong Park*, <b>Hyelin Nam*</b> , Jong Chul Ye	<i>Preprint</i>
[C2] <b>Contrastive Denoising Score for Text-guided Latent Diffusion Image Editing</b> <b>Hyelin Nam</b> , Gihyun Kwon, Geon Yeong Park, Jong Chul Ye	<i>CVPR 2024</i>
[C1] <b>HairFIT: Pose-invariant Hairstyle Transfer via Flow-based Hair Alignment and Semantic-region-aware Inpainting</b> Chaeyeon Chung*, Taewoo Kim*, <b>Hyelin Nam*</b> , Seungwhan Choi Gyojung Gu, Sunghyun Park, Jaegul Choo	<i>BMVC 2021(Oral)</i>
[J1] <b>Review Of Diffusion Models: Theory and Applications</b> Hyungjin Chung, <b>Hyelin Nam</b> , Jong Chul Ye	<i>JKSIAM 2024</i>

## EXPERIENCE

<b>Bear Robotics</b> <i>Software Engineer Intern (Team ML-Perception)</i> • Improving localization model using data from multiple cameras of robots	June 2022 - Dec 2022 <i>RedWood City, CA</i>
<b>Undergraduate Research Intern</b> <i>DAVIAN, KAIST</i>	Sept 2020 - Dec 2021 <i>Advisor: Prof. Jaegul Choo</i>

## TEACHING EXPERIENCE

<b>TA</b> <i>AI618: Generative Models and Unsupervised Learning</i>	Mar 2024 - June 2024
<b>TA</b> <i>Upstage AI Bootcamp: Object Detection</i>	Jan 2021 - Dec 2022

## AWARDS

<b>Best Paper Award, Korean Artificial Intelligence Association 2021</b> <i>BMVC Paper [C1]</i>	Nov, 2021
<b>Dean's List</b> <i>Chung-Ang University</i>	Sept 2018, Mar 2019