



Chanhyuk Choi

M.S. Student in Artificial Intelligence

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EDUCATION

•Ulsan National Institute of Science and Technology (UNIST)

2025 - present

M.S. Program in Artificial Intelligence

GPA: 4.23/4.30

(Advisor) Prof. Taehwan Kim

•Ulsan National Institute of Science and Technology

2018 - 2025

B.S. in Computer Science and Engineering

GPA: 3.71/4.30

RESEARCH INTERESTS

•Computer Vision

Talking Face Generation, Emotion Editing in Talking Face Video, Co-speech Gesture Generation

•Multimodal Contrastive Representation

Cross-modal Representation Transfer, Feature-wise Linear Modulation

•Generative Models

Diffusion model, Shortcut model, Drifting

PUBLICATIONS

- [1] **Chanhyuk Choi**, Taesoo Kim, Dongyu Lee, Siyeol Jung, and Taehwan Kim. "Cross-Modal Emotion Transfer Emotion Editing in Talking Face Video" *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2026.
- [2] Hyeonyu Kim, Seokhoon Jeong, Seonghee Han, **Chanhyuk Choi**, and Taehwan Kim. "Audio-Guided Visual Editing with Complex Multi-Modal Prompts" *36th British Machine Vision Conference (BMVC)*, 2025.

PATENTS

- [1] **Chanhyuk Choi**, Solgil Oh, Yeeun Chun, Seun Park, Byung-hak Kim. "Method and Device for Generating Natural Language-based Training Data Using Video and Script Files and Performing Image Generation and Inference Using the Training Data" (Application Number: 18-784,742) *US*, 2024/07/28.
- [2] Byung-hak Kim, Seun Park, Kyongmook Lim, Jungjum Kim, Dongil Shin, Yeeun Chun, **Chanhyuk Choi**, Emma Bergqvist, Gyuwon Park. "Method for Providing Box Office Prediction Results through Analysis of Text Content and Apparatus Therefor" (Application Number: 18-396,247) *US*, 2023/12/26.

SCHOLARSHIPS AND AWARDS

•UNIST Academic Performance Scholarship

Mar. 2018 - Aug. 2024

Full Scholarship

Ulsan, KR

•OCR AI Data Hackthon

Dec. 2021

Finalist (Top 10.)

Seoul, KR

EXPERIENCE

•Research Intern

Aug. 2023 - Feb. 2024

AI Center @ CJ OliveNetworks

Seoul, KR

– Conducted research on a stable diffusion model that could synthesize a preview of K-drama based on a summarized scenario.

– (Advisor) Dr. Byung-Hak Kim

•Undergraduate Researcher

Jul. 2023 - Aug. 2023

ShapeLab @ UNIST

Ulsan, KR

– Developed a deep learning strategy to address Age Prediction and Alzheimer's Disease Classification based on SPHARM-Net.

– (Advisor) Dr. Ilwoo Lyu

•Undergraduate Researcher

Oct. 2021 - Dec. 2021

AICP @ UNIST

Ulsan, KR

– Conducted research on GAN manipulation using user inputs, such as sketch and text.

– (Advisor) Dr. Jaejun Yoo

PROFESSIONAL ACTIVITIES

•AAAI Reviewer

Aug. 2026