



## Chanhyuk Choi

M.S. Student in Artificial Intelligence

Ulsan National Institute of Science and Technology (UNIST)

50 UNIST-gil, Eonyang-eup, Ulju-gun, Ulsan, Republic of Korea

+82-010-8901-3003

✉ chan4184@gmail.com

🐙 GitHub

🌐 LinkedIn

## 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 Learning

Multimodal Contrastive Learning, 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