

# Chanhyuk Choi

CSE UNDERGRADUATE STUDENT @ UNIST

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“Currently learning to walk in ML/DL to CV/NLP without falling on my bottom.”

## Education

### UNIST(Ulsan National Institute of Science and Technology)

Ulsan, S.Korea

M.S. STUDENT IN AI GRADUATE SCHOOL

Mar. 2025 - Present

- Interest: Multimodal learning, Generative models

### UNIST (Ulsan National Institute of Science and Technology)

Ulsan, S.Korea

B.S. IN COMPUTER SCIENCE AND ENGINEERING

Mar. 2018 - Feb. 2025

- 3.7 / 4.3 (GPA), 3.82 / 4.3 (Major)
- Magna Cum Laude

## Research Experience

### AI Center in CJ Corp.

Seoul, S.Korea

AI RESEARCH INTERN

Aug. 2023 - Feb. 2024

- Conducted research on **stable diffusion models** that could synthesize a preview of K-drama based on a summarized scenario [\[PREVIEW\]](#)
- Developed a data collection pipeline that extracts high-quality images from highlight scenes in K-dramas

### ShapeLab

Ulsan, S.Korea

AI RESEARCH INTERN

Jul. 2023 - Aug. 2023

- Developed a deep learning strategy to address Age Prediction and Alzheimer's Disease Classification based on [SPHARM-Net](#)
- Advisor: Prof. Ilwoo Lyu

## Project

### Chest X-Ray Radiology Reports Generation with Pre-trained CLIP Model

Ulsan, S.Korea

JUNGMIN PARK, DAMI JUNG, CHANHYUK CHOI

Mar. 2023 - Jun. 2023

- UNIST CSE402 Natural Language Processing [\[Github\]](#) [\[PDF\]](#)

### All-around Fitness App Project with AI Pose correction, Work-out machine Image search

Ulsan, S.Korea

YONGHYUN KIM, JEONGMIN PARK, SANGEUN SEO, JAEYEOP OH, JONGMIN KIM, CHANHYUK CHOI

Mar. 2022 - Jun. 2022

- UNIST CSE333 Introduction to Human-Computer Interaction **Best Presentation Recognition** [\[Google Drive\]](#) [\[YouTube\]](#)

## Certificate

### Computer Specialist in SpreadSheet & Database (Level-1)

S.Korea

KOREA CHAMBER OF COMMERCE AND INDUSTRY

Oct. 2021

- Qualification Number: 21-K9-119669

## Extracurricular Activity

### Working Holiday

Auckland, New Zealand

UPPER-INTERMEDIATE LEVEL STUDENT

Feb. 2024 - Jul. 2024

- Auckland English Academy (AEA) [\[CERTIFICATE\]](#) [\[REPORT\]](#)

### 2023 ABC Winter School Program @ UNIST

Ulsan, S.Korea

TEACHING MENTOR

Jan. 2023 - Feb. 2023

- Teaching cs skills to sophomore students with [missing semester @ MIT](#) [\[DRIVE\]](#)

### 2022 AI challenger Program @ UNIST

Ulsan, S.Korea

RESEARCH INTERN

Oct. 2021 - Dec. 2021

- Conducted research on **GAN manipulation** using user inputs, such as sketch and text [\[POSTER\]](#)
- Advisor: Prof. Jaejoon Yoo

## 2021 OCR AI Learning Data Hackathon Finalist

BACK-END DEVELOPER

- Voice-based search applications for the visually impaired [\[PDF\]](#) [\[PRIZE\]](#)

Seoul, S.Korea

Oct. 2021 - Dec. 2021

## Freshman Student President @ UNIST

SAEROK, 3RD FRESHMAN STUDENT COUNCIL

- UNIST Freshman Council [\[FACEBOOK\]](#)

Ulsan, S.Korea

Mar. 2019 - Feb. 2020

## Patent

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### Method for Providing Box Office Prediction Results through Analysis of Text Content and Apparatus Therefor

APPLICATION NUMBER: 18396247

US

2023/12/26

### 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: 18784742

US

2024/07/28

## Presentation

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### Tech Presentation @ CJ AI Center

TECH INSTRUCTOR

- High-Resolution Image Synthesis with Latent Diffusion Models [\[PPT\]](#)
- Emu: Enhancing Image Generation Models Using Photogenic Needles in a Haystack [\[PPT\]](#)
- Style Aligned Image Generation via Shared Attention [\[PPT\]](#)

Seoul, S.Korea

Aug. 2023 - Feb. 2024