

Chanhhyuk Choi

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Education

UNIST(Ulsan National Institute of Science and Technology)

M.S. STUDENT IN AI GRADUATE SCHOOL

- Advisor: Prof. Taehwan Kim

Ulsan, S.Korea

Mar. 2025 - Present

UNIST (Ulsan National Institute of Science and Technology)

B.S. IN COMPUTER SCIENCE AND ENGINEERING

- 3.71 / 4.3 (GPA), 3.82 / 4.3 (Major)
- Magna Cum Laude

Ulsan, S.Korea

Mar. 2018 - Feb. 2025

Research Experience

AI Center in CJ Corp.

AI RESEARCH INTERN

- 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

Seoul, S.Korea

Aug. 2023 - Feb. 2024

ShapeLab

AI RESEARCH INTERN

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

Ulsan, S.Korea

Jul. 2023 - Aug. 2023

Project

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

JUNGMIN PARK, DAMI JUNG, **CHANHYUK CHOI**

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

Ulsan, S.Korea

Mar. 2023 - Jun. 2023

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

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

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

Ulsan, S.Korea

Mar. 2022 - Jun. 2022

Certificate

Computer Specialist in SpreadSheet & Database (Level-1)

KOREA CHAMBER OF COMMERCE AND INDUSTRY

- Qualification Number: 21-K9-119669

S.Korea

Oct. 2021

Extracurricular Activity

Working Holiday

UPPER-INTERMEDIATE LEVEL STUDENT

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

Auckland, New Zealand

Feb. 2024 - Jul. 2024

2023 ABC Winter School Program @ UNIST

TEACHING MENTOR

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

Ulsan, S.Korea

Jan. 2023 - Feb. 2023

2022 AI challenger Program @ UNIST

RESEARCH INTERN

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

Ulsan, S.Korea

Oct. 2021 - Dec. 2021

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

Patent

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

US

CHANHYUK CHOI, SOLGIL OH, YEEUN CHUN, SEUN PARK, BYUNG-HAK KIM

2024/07/28

Application Number: 18/784,742

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

KR

SOLGIL OH, CHANHYUK CHOI, BYUNG-HAK KIM, SEUN PARK, YEEUN CHUN

2024/02/27

Application Number: 10-2024-0028310

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

US

BYUNG-HAK KIM, SEUN PARK, KYONGMOOK LIM, JUNGJUN KIM, DONGIL SHIN, YEEUN CHUN, CHANHYUK CHOI, EMMA

2023/12/26

BERGQVIST, GYUWON PARK

Application Number: 18/396,247

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

KR

BYUNG-HAK KIM, SEUN PARK, KYONGMOOK LIM, JUNGJUN KIM, DONGIL SHIN, YEEUN CHUN, CHANHYUK CHOI, EMMA

2023/11/22

BERGQVIST, GYUWON PARK

Application Number: 10-2023-0163800

Presentation

Tech Presentation @ CJ AI Center

Seoul, S.Korea

TECH INSTRUCTOR

Aug. 2023 - Feb. 2024

- 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]