

Chanhhyuk 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)

B.S. IN COMPUTER SCIENCE AND ENGINEERING

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

Ulsan, S.Korea

Mar. 2018 - Mar. 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, CHANHUYUK 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, CHANHUYUK 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 cahllenger Program @ UNIST

RESEARCH INTERN

- Conducted research on **GAN mainpulation** 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

BACKEND DEVELOPER

- Voice-based search applications for the visually impaired [PDF] [PRIZE]

Seoul, S.Korea

Oct. 2021 - Dec. 2021

Freshmen Student President @ UNIST

SAEROK, 3RD FRESHMEN STUDENT COUNCIL

- UNIST Freshment Council [FACEBOOK]

Ulsan, S.Korea

Mar. 2019 - Feb. 2020

Patent

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

Tech Presentation @ CJ AI Center

TECH INSTRUCTOR

Seoul, S.Korea

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]