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*

B.S. in Computer Science and Engineering — *Mar. 2018 - Mar. 2025*

- 3.7/4.3 (GPA), 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
- Advisior: Prof. Ilwoo Lyu

Certificate

Comuputer Specialist in SpreadSheet & Database (Level-1) — *S.Korea*

Korea Chamber of Commerce and Industry — *Oct. 2021*

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

2022 AI cahllenger Program @ UNIST — *Ulsan, S.Korea*

Research Intern — *Oct. 2021 - Dec. 2021*

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

2021 OCR AI Learning Data Hackathon Finalist — *Seoul, S.Korea*

Backend Developer — *Oct. 2021 - Dec. 2021*

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

Student President @ UNIST — *Ulsan, S.Korea*

SaeRok, 3rd Freshmen Student Counsil — *Mar. 2019 - Feb. 2020*

Patent

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

Application Number: 18396247 — *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 *US*

Application Number: 18784742 *2024/07/28*

Presentation

Tech Presentation @ CJ AI Center *Seoul, S.Korea*

Tech Instructor *Aug. 2023 - Feb. 2024*

- High-Resolution Image Synthesis with Latent Diffusion Models
- Emu: Enhancing Image Generation Models Using Photogenic Needles in a Haystack
- Style Aligned Image Generation via Shared Attention
- IMGen of SCRIPTy platform