ChangSu, Choi

Multimodal Language Processing Lab (MLP),
Bachelor's Degree in Computer Engineering,
Currently a Master's student in Applied Artificial Intelligence.

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[LinkedIn]

Education

Seoul National University of Science and Technology **Seoul, South Korea**
M.S. in Applied Artificial Intelligence Mar. 2018 - Present

Hanbat National University **Daejeon, South Korea**
B.S. in Computer Engineering Mar. 2018 - Feb. 2024

Research Interest

Vision-Language-Action Model & Vision-Language Model, Language Model for Dialogue System

International Conference

1. Dongjae Shin, Hyeonseok Lim, Inho Won, **ChangSu Choi**, Minjun Kim, Seungwoo Song, Hangyeol Yoo, Sangmin Kim, Kyungtae Lim, *"X-LLaVA: Optimizing Bilingual Large Vision-Language Alignment"*, Findings of the Association for Computational Linguistics: NAACL 2024 (**NACCLE Findings 2024**), Mexico City, Mexico, June 2024. [Link]

2. **ChangSu Choi**, Yongbin Jeong, Seoyoon Park, Inho Won, HyeonSeok Lim, SangMin Kim, Yejee Kang, Chanhyuk Yoon, Jaewan Park, Yiseul Lee, HyeJin Lee, Younggyun Hahm, Hansaem Kim, and KyungTae Lim, *"Optimizing Language Augmentation for Multilingual Large Language Models: A Case Study on Korean"*, 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation (**LREC-COLING 2024**), Torino, Italy, May 2024. **(First, Oral)** [Link]

3. **ChangSu Choi**, HyeonSeok Lim, Hayoung Jang, Juhan Park, Eunkyung Kim, KyungTae Lim, *"Semantic Similarity-based Visual Reasoning without Language Information"*, IEEE International Conference on Artificial Intelligence in Information and Communication (**ICAIIC 2023**), Bali, Indonesia, February 2023. **(First, Oral)** [Link]

Project Experience

Bllossom Project
Seoul National University of Science and Technology, Teddysum, Yonsei University Seoul, South Korea
Researcher May 2023 - Present
    - Developed sustainable and intelligent AI for specialized domains
    - Self-funded team focusing on large language models (LLMs) including multi-modal capabilities
    - Received over 200 likes on [Hugging Face]

Large-scale Visual Reasoning Data Construction Project
Hanbat National University Daejeon, South Korea
Undergraduate Researcher Jun. 2022 - Feb. 2023
    - Developed Visual Reasoning Model

Anomaly Detection Project

Chungnam National University   Daejeon, South Korea
Undergraduate Researcher   Jan. 2022 - Apr. 2022
    - Developed the Model for Detecting Driver's Abnormal Behavior for Safer Autonomous Driving

Technical Skills

Programming Languages :   [Advanced] Python
Tools and Frameworks :   PyTorch, Docker, Git, ROS2

Language Skills

English :   Intermediate
Japanese :   Intermediate
    - JLPT N2 Certification   Aug. 2022
Korean :   Native

Awards & Honors

Private Ranked 76/975 (7.79%)   Aug. 2022
AI prediction competition of antenna performance for autonomous driving sensors, Dacon
Private Ranked 45/468 (9.61%)   Feb. 2022
Korean sentence relation classification competition, Dacon
Scholarship MIU scholarship, Hyundai Asan Foundation   Mar. 2022 - Dec. 2022
Scholarship Academic Excellence Scholarship   Aug. 2021 - Feb. 2024
Grand prize Big Data Analysis Competition, KISTI [Article]   Dec. 2021

Certifications

JETSON AI SPECIALIST, NVIDIA DLI   Nov. 2022
Certificate of Completion for AI Specialist Program, LG Aimers   Sep. 2022

Teaching Experience

modernNLP, SeoulTech univ   Mar. 2024 - Present
Teaching Assistant (prof. K.T.Lim)
Data Structure class, Hanbat univ   Mar. 2022 - June. 2022
Teaching Assistant (prof. H.E.Jang)
Artificial Intelligence intensive training course, Hanbat univ.   Jan. 2022
Teaching Assistant (prof. K.T.Lim)

Military Service

Korean Army   Dec. 2018 - Jul. 2020
    - Leadership Rank: Sergeant · Honorable discharge · Computer operator