

Juhwan Choi

✉ gold5230@cau.ac.kr | 🌐 c-juhwan | 🏠 c-juhwan.github.io

Research Interest

Deep Learning, Natural Language Processing, Data-Centric Approach

Education

Chung-Ang University

M.S. in Artificial Intelligence

GPA: 4.33 / 4.5

Advisor: [Youngbin Kim](#)

Seoul, Korea

Mar. 2023 - Feb. 2025 (Expected)

Chung-Ang University

B.S. in Electrical and Electronics Engineering

GPA: 3.94 / 4.5 [[Certificate](#)] [[Transcript](#)]

Seoul, Korea

Mar. 2017 - Feb. 2023

Research Experience

Research Assistant

Advisor: [Youngbin Kim](#)

Intelligent Information Processing Lab @ Chung-Ang Univ.

Mar. 2023 - Present

Undergraduate Research Intern

Advisor: [Youngbin Kim](#)

Intelligent Information Processing Lab @ Chung-Ang Univ.

Apr. 2021 - Feb. 2023

Undergraduate Intern

Advisor: [Hohyun Park](#)

Big Data & AI Lab @ Chung-Ang Univ.

Jan. 2021 - Feb. 2021

International Publications

Korean Offensive Language Detection

Under review.

Curriculum Data Augmentation for Image Classification

Under review.

Semantic-preserving Rule-based Text Data Augmentation

Under review.

Constructing Sport Game Conversation Dataset

Under review.

Soft Text AutoAugment

Under review.

Text Data Augmentation Based on Decision Boundary

Under review.

GPTs Are Multilingual Annotators for Sequence Generation Tasks

[Juhwan Choi](#), Eunju Lee, Kyohoon Jin and Youngbin Kim

EACL 2024 Findings

SoftEDA: Rethinking Rule-Based Data Augmentation with Soft Labels [[Paper](#)] [[Review](#)] [[Code](#)]

[Juhwan Choi](#), Kyohoon Jin, Junho Lee, Sangmin Song and Youngbin Kim

ICLR 2023 Tiny Papers

Accepted as notable work with oral presentation.

Generative Data Augmentation via Wasserstein Autoencoder for Text Classification [Paper] [Code]

Kyohoon Jin, Junho Lee, [Juhwan Choi](#), Soojin Jang and Youngbin Kim
The 13th International Conference on ICT Convergence

Domestic Publications

소프트 라벨을 적용한 규칙 기반 텍스트 데이터 증강 기법 [Paper] [Poster]

[Juhwan Choi](#), Junho Lee, Sangmin Song, Kyohoon Jin and Youngbin Kim
2023 Summer Annual Conference of IEIE

감정 간의 관계를 고려한 지도 대조 학습 기반 감정 인식 [Paper]

Dongje Yoo, Kyunghoon Jeon, [Juhwan Choi](#) and Youngbin Kim
2023 Summer Annual Conference of IEIE

KITE: 한국어 고의 오타자를 활용한 텍스트 데이터 증강 방법론 [Paper]

Seunguk Yu, [Juhwan Choi](#), Heejae Suh, Kyohoon Jin and Youngbin Kim
Proceedings of HCI Korea 2023

낯선 데이터를 활용한 과잉신뢰 완화 텍스트 증강 기법 [Paper] [Presentation]

Junho Lee, Sangmin Song, [Juhwan Choi](#), Juhyoung Park, Kyohoon Jin and Youngbin Kim
Proceedings of HCI Korea 2023

Semantic Preservation and Natural Language Data Augmentation via Variational Autoencoder [Paper]

Yuchul Shin, Kyohoon Jin, [Juhwan Choi](#), Junho Lee, Soojin Jang and Youngbin Kim
TechArt

Variational Autoencoder 기반 의미 보존 자연어 데이터 증강 기법 [Paper] [Presentation]

[Juhwan Choi](#), Junho Lee, Kyohoon Jin, Yehoon Jang, Soojin Jang and Youngbin Kim
2022 Summer Annual Conference of IEIE

Research Projects

Multimodal Dataset Generation	Nov. 2023 - Present
Domain Generalization through Dataset Generation	Nov. 2023 - Present
Multilingual Data Annotation using LLMs Submitted a paper and accepted to EACL 2024 Findings.	Apr. 2023 - Present
Text Data Augmentation with Soft Label Submitted a paper and accepted to ICLR 2023 Tiny Papers.	Feb. 2023 - May. 2023
Interactive News Summarization	Jan. 2023 - Present
Decision Boundary-Based Data Augmentation Submitted a paper - under review	Aug. 2022 - Jun. 2023
Deep Learning Seminar Based on Stanford CS224n and CS231n	Feb. 2022 - Mar. 2022
Text Data Augmentation using Wasserstein Autoencoder Related work research, Implemented text classification model.	Aug. 2021 - Jan. 2022
Implementing Image Captioning Model using Transformers	Apr. 2021 - Jun. 2021
Korean Hate Speech Detection Model Used pretrained KcELECTRA . Ranked 11/88 (in Dec. 2022) at [Kaggle competition]	Apr. 2021 - May. 2021
Deep Learning Seminar Based on CMU 11-785	Jan. 2021 - Feb. 2021

Skills

Programming Languages	Familiar: Python C C++	Experienced: Matlab
Libraries & Tools	Pytorch HuggingFace Numpy Pandas Git CLI	
Language Proficiency	Native: Korean	Fluent: English [TOEIC 955] [TEPS 409]

Services

Reviewer ACL Rolling Review (From 2023 August)
EACL 2024 (Through ACL Rolling Review 2023 October)
NAACL 2024 (Through ACL Rolling Review 2023 December)
ICLR 2024 Tiny Papers

Relevant Coursework

Graduate Level

Artificial Intelligence Deep Unsupervised Learning | Deep Generative Model | Graph Neural Networks | Advanced Natural Language Processing | Artificial Intelligence Literacy | Ethics and Fairness in Artificial Intelligence

Undergraduate Level

Computer Science Algorithms | Artificial Intelligence | Basic Computer Programming | Computer Architecture | Data Structure | Digital Image Processing | Internet of Intelligent Things | Logic Circuit | Microcomputer Systems | Mobile Network | Numerical Analysis | Object-Oriented Programming | Operating Systems

Mathematics Calculus 1 | Calculus 2 | Electric Mathematics | Engineering Mathematics | Linear Algebra | Random Variables