

Dongin Jung

Chung-Ang University
Seoul, Republic of Korea
dongin1009@gmail.com
<https://github.com/dongin1009>

Education	Chung-Ang University, Seoul, Republic of Korea <i>M.S. in Artificial intelligence</i>	Mar. 2021 - Feb. 2023
	<ul style="list-style-type: none">• Advisor: Prof. Yoon-Sik Cho• Thesis: Data Relation Modeling Methods for Multiple Fake News Detection• GPA: 4.34 / 4.5	
	Wonkwang University, Iksan, Republic of Korea <i>B.S. in Computer Software Engineering</i>	Mar. 2017 - Feb. 2021
	<i>B.S. in Digital Forensic (Double Major)</i>	Mar. 2018 - Feb. 2021
	<ul style="list-style-type: none">• Advisor: Prof. Jongmin Lee• GPA: 3.91 / 4.5	

Skills

Research Areas: Natural Language Processing & Natural Language Understanding, Graph Neural Network, Contrastive Learning

Environment: Linux (CAU DS Lab. server admin), Git, Anaconda, Docker, Slurm

Framework: pytorch, torch geometric, tensorflow, huggingface, scikit-learn

Publications

Journal

- **Dongin Jung**, Misuk Kim, and Yoon-Sik Cho, “Detecting Documents With Inconsistent Context”, IEEE Access, 2022
 - Paper: <https://ieeexplore.ieee.org/document/9875276>
 - Code: <https://github.com/dongin1009/GraDID>

Conference

- Seongmin Kang, **Dongin Jung**, and Yoon-Sik Cho, “Video Retrieval with Tree based Video Segmentation”, International Conference on Database Systems for Advanced Applications (DASFAA 2023)
- **Dongin Jung**, and Yoon-Sik Cho, “Automatic Conversation Turn-Taking Segmentation in Semantic Facet”, 2023 International Conference on Electronics, Information, and Communication (ICEIC 2023)
 - Paper: [\[PDF\]](#)
 - Code: <https://github.com/dongin1009/semantic-turn-taking-prediction>

- 정동인, 김응엽, 강성민, 조윤식, “이미지 검색을 위한 대조 학습 모델의 한국어 학습 방법”, 대한전자공학회 2022년도 하계종합학술대회
 - Paper: <https://www.eiric.or.kr/KeyDocs/tmp/2813-2816.pdf>
 - Code: <https://github.com/dongin1009/Ko-CLIP>

Submitted & Preparing

- **Dongin Jung**, Jaehyeok Ahn, and Yoon-Sik Cho, “Joint Contrastive and Supervised Learning in Human Activity Recognition”, (in preparation)
 - Code: https://github.com/dongin1009/joint_supcon_har
- Dae-Sung Wang, **Dongin Jung**, Yoon-Sik Cho, and Chan-Gun Lee, “Exploiting Component Information in Bug Triage”, (in preparation)

Projects

- Text Fake News Detection Mar. 2021 - Dec. 2022
 - Defined fake news into 2 types: inconsistent content news and non-fact news.
 - Proposed concept of ‘supernode’ and detected fake news by using language models and graph neural networks.
 - Be sponsored by Korea Creative Content Agency (KOCCA).
- HW/SW platform for interactive self-monitoring in real-time addressing mental health problems based on brain-cognitive behavioral data Mar. 2021 - Dec. 2021
 - Recognized depression using time-series smartphone sensor values of users.
 - Analyze sensor feature of user by considering feature characteristics.
 - Be sponsored by Institute for Information & communication Technology Planning & evaluation (IITP)
- Polyglot: Multilingual Large Language Models Oct. 2022 - Present
 - Collect and preprocess large-scale [romance language text data](#).
 - The goal is to develop large-scale polyglot text generation models based on GPT-NeoX and analyze relations with linguistic families.
 - Work as a member of the polyglot-romance group belonging to EleutherAI.
- [KR3: Korean Restaurant Review with Ratings dataset](#) Apr. 2021 - Dec. 2021
 - Built a Korean positive & negative restaurant text review dataset.
 - Performed task-adaptive pretraining and qualified the additional pretraining effect on cross-task review datasets.
 - Worked as a member of the time-series group belonging to DIYA.
- [Development of an Online Learning Management System](#) Jun. 2020 - Dec. 2020
 - Developed an online LMS Platform for contactless learning.
 - Be sponsored by SW Central Center at Wonkwang Univ.

Patents	정동인, “시각장애인을 위한 음성 챗봇 시스템 및 방법”, 출원번호: 10-2021-0020237, 2021	
	정동인, 강현지, 김수빈, 윤지환, 장형국, 조영진, “스마트 화분 장치”, 등록번호: 10-2170452 (출원번호: 10-2020-0029729),	2020
Activities	EleutherAI , Polyglot-Romance group member	Oct. 2022 - Present
	DIYA , time-series group member	Apr. 2021 - Dec. 2021
	Artineer , department programming club president	Mar. 2019 - Feb. 2020
	LIKELION at Wonkwang University, staff	Mar. 2019 - Feb. 2020
Awards and Honors	Creative Competence Award (Greatest in Creative Score), Wonkwang Univ.	2021
	Best Award on Major SW Competition, Wonkwang Univ.	2020
	Excellence Award on LINC+ Startup Idea Competition, Wonkwang Univ.	2020
	Bronze Award on Student Portfolio Competition, Wonkwang Univ.	2019
	Bronze Award on Creative Software Competition, Wonkwang Univ.	2019
	Bronze Award on Corporate Linked Capstone Design, Wonkwang Univ.	2019