

Jongeun Baek

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Summary

My main interest lies at Natural Language Processing. I want to make Language Models reliable.

keyword: NLP, XAI

Education

Korea Advanced Institute of Science and Technology(KAIST) <i>M.S. in Kim Jaechul Graduate School of AI</i> ◦ Advisor: Jaesik Choi	<i>Feb 2025 – Present</i> <i>South Korea</i>
RWTH Aachen University <i>Exchange student in Computer Science</i>	<i>April 2023 – Oct 2023</i> <i>Germany</i>
Pohang University of Science and Technology(POSTECH) <i>B.S. in Computer Science and Engineering, completed AI Intensive Course</i>	<i>2020 – 2025</i> <i>South Korea</i>

Publications

[J1] Risk Detection through Firearm Recognition Using Deep Learning-Based Object-Human Heterogeneous Graph Extraction	KIMST, 2024
Jongeun Yang, <i>Jongeun Baek</i> , Shakila Shojaei, Hyojin Baek, Ju Hong Park	

Work Experience

Research Intern <i>Naver</i>	<i>South Korea</i> <i>June 2022 – Sep 2022</i>
◦ Worked on Document Retrieval with poly-encoder-based Reranker. (Mentor: Hwiyeol Jo)	

Honors and Awards

Global Leadership Program (\$2,500) <i>Computer Science and Engineering Department, POSTECH</i>	<i>2022</i>
3rd prize, Undergraduate Group Research Program (UGRP) <i>POSTECH</i> ◦ 3D-CNN을 이용한 비대면 수업에서의 학생 수업 집중도 분석	<i>2021</i>
2nd prize, POSTECH Programming Contest <i>POSTECH</i>	<i>2021</i>
2nd prize, Capstone Design Contest <i>2021 Annual Fall Congress of the Ergonomics Society of Korea</i> ◦ Human sensibility ergonomic design of online class platform UI/UX improving instructor-learner non-face-to-face communication	<i>2021</i>
Hanseong Fellowship (\$8,000) <i>Hanseong Sonjaehan Scholarship Foundation</i>	<i>2018</i>

Research Experience

Research Intern <i>LDI Lab, Seoul National University</i> ◦ Worked on TableQA on TimelineQA and Text2SQL on BIRD	<i>Sep 2023 - Feb 2024</i> <i>Jun 2024 - Oct 2024</i>
Research Intern <i>ML Lab, POSTECH</i>	<i>Feb 2024 - Jun 2024</i>

- Worked on Multi-Dimensional Optimization on Summarization
- Poster: *Multi-dimensional Optimization for Multi-domain Summarization via Reinforcement Learning*

Research Intern

Feb 2024 - Dec 2024

Design Intelligence Lab, POSTECH

- Worked on Learning from Demonstration with robot arm
- Worked on Deep Learning [J1]

Research Intern

Dec 2021 - Feb 2022

ISOFT, POSTECH

- Worked on BERT with CoQA

Freshman Research Intern

Aug 2020 - Dec 2020

DS Lab, POSTECH

- Learned and implement Seq2Seq

Skills

Spoken Language: Korean(native), English (advanced)

TOEFL: 97/120 (Oct 2020), TOEIC 925/990 (Jun 2024), TEPS 486/600 (Aug 2024)

Coding Language: C, C++, Python, OCAML