

# Jongyoon Kim

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## SUMMARY

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Ph.D. Student in Artificial intelligence specializing in Natural Language Processing. Previously, I studied Electrical and Electronic Engineering and have experience in data engineering. I enjoy building both physical systems and computer-based software to help myself but also others.

## EDUCATION

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2023 - present Ph.D. (Interdisciplinary Programme in Artificial Intelligence)  
at **Seoul National University, South Korea** (GPA: 4.2/4.5, 3.9/4.0)  
2018 - 2021 BEng. (Electrical and Electronic Engineering)  
at **University of Bristol, UK** (First Class Honours, GPA: 4.0+/4.5)

## WORK EXPERIENCE

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**Summer Data Engineer Paid Internship @ NAVER Corp., South Korea.** Dec 2021 - Jun 2022  
Data Engineer (Refactored and improved PGM Click model logic along with Query Reformulation candidate extraction on the Hadoop Ecosystem.

**Teaching Assistant @ University of Bristol** Sep 2020 - Jun 2021  
To support junior students, I have replied to their queries during drop-in sessions via Teams (video calls). I have supported 5 groups' MATLAB simulation (Simulink) design and theoretical understanding.

**Summer Data Engineer Paid Internship @ NAVER Corp., South Korea** Jun 2020 - Sep 2020  
Software Engineer Intern. Built admin tool as a webpage for managing search results and engineered features to improve search engine's rank model.

## PUBLICATIONS

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Lee, Dohyeon, Jongyoon Kim, et al. (2024). "DADA: Distribution-Aware Domain Adaptation of PLMs for Information Retrieval". In: *Findings of the Association for Computational Linguistics ACL 2024*, pp. 13882–13893. URL: <https://aclanthology.org/2024.findings-acl.825>.

Yoon, Soyoung, Jongyoon Kim, and Seung-won Hwang (2024). "Analyzing the Effectiveness of Listwise Reranking with Positional Invariance on Temporal Generalizability". In: *Working Notes of the Conference and Labs of the Evaluation Forum (CLEF 2024)*, pp. 2407–2423. URL: <https://ceur-ws.org/Vol-3740/paper-221.pdf>.

## PROJECTS

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**Wisdomify & Storyteller** [Link to Github Repo](#)

This project is building a reverse dictionary of Korean proverbs with BERT based model (wisdomify) and to train the model the datasets are prepared and crawled (storyteller).

**COVID-19 analysis Webpage** [Link to Github Repo](#)

To support the current crisis due to COVID-19, a personal server built with Raspberry Pi 4 provides not only the current number of patients but also the predicted number of confirmed patients. In addition, relationships between recovery rate and other medical information were analysed.

## RESEARCH INTERESTS

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Information Retrieval **Native Korean** and **Fluent English**

## SKILLS

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Languages **Native Korean** and **Fluent English**

## REFERENCES

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Available on Request.