

Dayeon Shin

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EDUCATION

Hankuk University of Foreign Studies

Yongin, Korea

Bachelor of Science in Environment Science

Feb. 2017-July. 2021

- Grade: 3.64/4.5

Korea University

Seoul, Korea

Master in Mathematical Data Science.

Mar. 2025-

WORK AND EDUCATIONAL EXPERIENCE

Jeungssam Math Academy

Math Instructor

July. 2021 – Dec. 2023

Prepared lessons, conducted parent consultations, managed students, and delivered lectures.

KG ITBANK

Expert Training Program for Developing AI-Based Big Data Service Platforms

April. 2021 - Oct. 2024

- Data Analysis & Machine Learning
 - Concepts of basic statistics and probability, probability distributions, regression analysis, statistical hypothesis testing
 - Supervised and unsupervised learning using Python's Scikit-learn
- Machine Learning / Deep Learning
 - Understanding concepts of machine learning and deep learning, and how artificial neural networks work
 - Modeling with machine learning algorithms (KNN, Decision Tree, Logistic Regression, etc.) and deep learning frameworks (CNN, RNN, Keras, etc.)
- Data Analysis & Visualization
 - Data collection, cleaning, and exploratory data analysis (EDA)
 - Visualization using Python libraries such as Pandas, Matplotlib, Seaborn, and ggplot2
- Big Data Processing (Hadoop, Spark)
 - Concepts and characteristics of big data, distributed computing
 - Large-scale data processing and analysis using frameworks like Hadoop and Spark, including real-time data processing
- Stream Data Processing Techniques
 - Learning event-driven architecture and messaging systems

PUBLICATIONS

Agent-based Instructional Support Chatbot

July. 2025

Dayeon Shin, Donghun Lee

KCC 2025

TECH STACK & CERTIFICATIONS

- Languages: Python(proficient), JavaScript, SQL, Lean4(basic)
- Frameworks: Django (proficient), Flask (intermediate)
- LLM Tools: LangChain, LangGraph, OpenAI API, Hugging Face
- Libraries & Tools: PyTorch (intermediate), Git(proficient), Docker(proficient), DBeaver
- Databases: PostgreSQL, SQLite
- Deployment: AWS EC2, Render
- Certifications:
 - 정보처리기사 (Engineer Information Processing Certificate)
 - 데이터분석 준전문가 (ADSP)
 - 산업안전기사 (Certified Industrial Safety Engineer)

- 수질환경기사 (Water Quality Environmental Engineer Certificate)
- Language Proficiency: TOEIC 850

INTERESTS

- Strong interest in Natural Language Processing (NLP) and applied AI
- Hands-on experience with prompt engineering for language models
- Passionate about applying AI technologies across diverse domains to solve real-world problems