

JaeHeon Jeong

B.S. Student in Industrial and Management Engineering

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Nationality: Korean Birth Year: 1999

Specialization: MLOps, NLP

Languages: Korean (Native), English (Intermediate)



About Me

Exploring human essence and creating *Übermensch* through AI.

Research Experience

- 2024–2024 **MLOps Engineer**, *Lingora AI Innovation Team*, Korea
Responsible for MLOps and AI research initiatives.
- 2023–2024 **Researcher**, *Operations Support Dept., FOM Club, Myongji University*, Korea
Led projects and supported data science initiatives.
- 2023 **MLOps Engineer & AI Researcher**, *Lingora*, Korea
Developed innovative AI solutions and optimized deployment pipelines.
- 2023 **President**, *Data Science Club 'FoM', Myongji University*, Korea
Founded and led the club to foster data science research and collaboration.
- 2023 **Research Intern**, *AI Innovation, Tutoring*, Korea
Worked on prompt engineering and AI research for tutoring systems.
- 2022–2023 **Research Intern**, *Computational Data Science Lab, Myongji University*, Korea
Conducted research and engineering tasks in data science.

Education

- 2024 **B.S. in Industrial and Management Engineering**, *Myongji University*, Yongin, Korea,
GPA: 3.8/4.5, **Summa Cum Laude**
- 2022 **Transfer to Industrial Management Engineering**, *Myongji University*
- 2018–2019 **Acting Major (Enrollment and Withdrawal)**, *Dong-Ah Institute of Media and Arts*
- 2014–2017 **High School**, *Gwan-ak High School*, Korea

Projects

- 2024 **Open-end Chat Modifier Model Development and Deployment**, *Market Designers, Korea*
Modifies AI chat outputs to generate context-aware follow-up questions.
- 2023 **Development of National Assembly Bill Proposal System Using Existing Legislation**, *National Assembly of South Korea, Korea*
Assists in proposing bills by utilizing existing legislation.
- 2023 **Entity Recognition Search Model Development & LLMOps Engineering System**, *MarketDesigners, Korea*
Evaluates and recommends words based on learner input using cosine similarity.
- 2023 **Development of Dynamic Prompting that Changes System Messages Based on Textbook Topics**, *Market Designers, Korea*
Adjusts system messages dynamically based on textbook topics.

- 2023 **Development of Personal Knowledge Model to Understand Learner's Persona**, *MarketDesigners, Korea*
Extracts and manages personal knowledge for personalized AI tutoring.
- 2023 **Development of Error Correction Model to Revise Learner's Incorrect Utterances**, *MarketDesigners, Korea*
Revises learners' incorrect utterances using an error correction model.
- 2023 **Travel Itinerary Scheduling Using Reinforcement Learning and NLP**, *Myongji University, Korea*
Schedules travel itineraries by combining RL and NLP techniques.
- 2023 **Development of DX-ASTI Demand-based Service Model Recommendation System**, *KISTI, Korea*
Recommends services by extracting tailored keywords with pre-trained models.
- 2023 **Development of Heterogeneous Domain Integrated Graph Neural Network for Topic Tomography**, *National Research Foundation of Korea*
Identifies topics and keywords across documents using a RAG-based approach.
- 2022 **Reinforcement Learning Model for Power Generation Fuel Consumption Optimization**, *Bistelligence, Korea*
Optimizes fuel consumption and reduces costs through RL-based solutions.

Awards

- 2024 **Summa Cum Laude in Industrial Management Engineering**
Myongji University.
- 2024 **National Assembly Public Data Competition - Commendation Award.**
- 2024 **Myongji University On-site Training Review Competition Grand Prize.**
- 2023 **Myongji University Data Science Club 'FoM' Step 2 Completion.**
- 2023 **Myongji University Capstone Design Graduation Project Grand Prize.**
- 2022 **Myongji University Data Analytics TA Social Advancement Scholarship.**
- 2022 **Myongji University Data Analytics Competition Excellence Award.**
- 2022 **Myongji University Learning Community Scholarship.**

Skills

- Programming Python, PyTorch, TensorFlow, AWS, Next.js
- Others Git, GitHub, Web Development, Database Management

Additional Information

- Military Service Auxiliary Policeman, Seoul Metropolitan Police Agency, 3rd Mobile Unit (2020.04–2021.10)