

# JaeHeon Jeong

BS Student  
Myungji University  
yongin 17058, Korea  
lhe339@naver.com & lhe339@gmail.com  
+82) 01031357849  
<https://www.heonyus.xyz/>

## EDUCATION

Mar. 2022 ~ Aug. 2024	<b>Myungji University</b> Department of Industrial and Management Engineering  Thesis: Text Mining, Topic Modeling, and Reinforcement Learning Scheduling Used in Trip Advisor <i>Advisor: Jung Sun Park</i>  <i>B.S. in Industrial and Management Engineering</i> GPA: 3.8 / 4.5 <i>Summa Cum Laude</i>	Yongin, Korea
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## RESEARCH EXPERIENCES

- Researcher at AI Innovation, Lingora, Korea (Jan. 2024 ~ Present) / MLOps Engineer & AI Researcher
- Research Intern at AI Innovation, Tutoring, Korea (Sep. 2023 ~ Dec. 2023) / Prompt Engineer & AI Researcher
- Research Intern at Industrial Management Engineering, Computational Data Science Lab, Myungji University, Korea (Aug. 2022 ~ Sep. 2023) / Research & Engineering
- Researcher at Operations Support Department, FOM Club, Myungji University, Korea (Jan. 2023 ~ Feb. 2024) / the president of a club

## PROJECTS

- Entity Recognition Search Model Development and LLMops Engineering System, Market Designers, Korea / Development & Infrastructure Construction (Sep. 2023 ~ Dec. 2023)
- Development of Open-end Chat Modifier Model, Market Designers, Korea / Development & Deployment (Jan. 2024 ~ Mar. 2024)
- Travel Itinerary Scheduling Using Reinforcement Learning and NLP, Department of Industrial Management Engineering, Myungji University, Korea / NLP Development (Mar. 2023 ~ Jun. 2023)
- Development of Reinforcement Learning Model for Power Generation Fuel Consumption Characteristics Measurement and Combustion Optimization, Bistelligence, Korea / Experiment (Oct. 2022 ~ Dec. 2022)
- Development of Heterogeneous Domain Integrated Graph Neural Network for Topic

Tomography, 한국연구재단, Korea / Preprocessing, Developing (Jan. 2023 ~ Aug. 2023)

- Development of NER - Search Model to Assess Learner's Familiarity with Words and Expressions, Market Designers, Korea / Development (Sep. 2023 ~ Dec. 2023)
- Development of National Assembly Bill Proposal System Using Existing Legislation, National Assembly of South Korea, Korea / Development & Infrastructure Construction (Oct. 2023 ~ Dec. 2023)
- Development of DX-ASTI Demand-based Service Model Recommendation System, KISTI, Korea / Preprocessing, Developing (Mar. 2023 ~ Aug. 2023)
- Development of Personal Knowledge Model to Understand Learner's Persona, Market Designers, Korea / Development & Infrastructure Construction (Sep. 2023 ~ Dec. 2023)
- Development of Dynamic Prompting that Changes System Messages Based on Textbook Topics, Market Designers, Korea / Development (Sep. 2023 ~ Nov. 2023)
- Development of Error Correction Model to Revise Learner's Incorrect Utterances, Market Designers, Korea / Development & Infrastructure Construction (Sep. 2023 ~ Dec. 2023)

## RESEARCH INTERESTS

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- Natural language processing
- Domain adaptation
- Speech recognition
- Multi modality

## SKILLS AND TECHNIQUES

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- Programing Skills
  - Programming Languages: Python, JavaScript, TypeScript
  - ML/DL Frameworks: Pytorch, Scikit Learn, Keras
- MLOps Skills
  - AWS : EC2, S3, Sagemaker, CodeDeploy
  - GCP : VM Instance, Vertex AI
  - Github: Github Actions
- Operating Systems : Linux (Ubuntu), macOS, Windows
- Other Tools & Skills: Git, Latex, Figma, Adobe Premier, Adobe Photoshop