JaeHeon Jeong

Myungji University
yongin 17058, Korea
lhe339@naver.com & lhe339@gmail.com
+82) 01031357849
https://github.com/sparkerhoney

EDUCATION

Mar. 2022 ~ Present	**Myongji University** Department of Industrial and Management Engineering	Yongin, Korea

Thesis: Text Mining, Topic Modeling, and Reinforcement Learning
Scheduling Used in Trip Advisor
Advisor: Jung Sun Park

Bachelor Student
GPA: 3.89 / 4.5

PROJECTS

- Development of DX-ASTI Demand-based Service Model Recommendation System, KISTI, Korea / Preprocessing, Developing (Mar. 2023 ~ Aug. 2023)

- Development of Heterogeneous Domain Integrated Graph Neural Network for Topic Tomography, 한국연구재단, Korea / Preprocessing, Developing (Jan. 2023 ~ Aug. 2023)

- Development of Reinforcement Learning Model for Power Generation Fuel Consumption Characteristics Measurement and Combustion Optimization, Bistelligence, Korea / Experiment (Oct. 2022 ~ Dec. 2022)

- Travel Itinerary Scheduling Using Reinforcement Learning and NLP, Department of Industrial Management Engineering, Myongji University, Korea / NLP Development (Mar. 2023 ~ Jun. 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 NER - Search Model to Assess Learner's Familiarity with Words and Expressions, Market Designers, Korea / Development (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 Personal Knowledge Model to Understand Learner's Persona, Market Designers, Korea / Development & Infrastructure Construction (Sep. 2023 ~ Present)

- Development of Error Correction Model to Revise Learner's Incorrect Utterances, Market Designers, Korea / Development & Infrastructure Construction (Sep. 2023 ~ Dec. 2023)

RESEARCH INTERESTS

- multi-modal
- Network representation learning
- Natural language generation
- Embedding algorithm

SKILLS AND TECHNIQUES

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

RESEARCH EXPERIENCES

- Researcher at Operations Support Department, FOM Club, Myungji University , Korea (Jan. 2023 ~ Present) / the president of a club