SUNG JAE HYUK

E-mail ◇ GitHub ◇ Website 1 ◇ Website 2

OBJECTIVE

My objective is to use the computer science knowledge (especially basic machine learning and deep learning) and mathematical knowledge (statistics, optimization theory, theoretical machine (deep) learning theory) that I have accumulated during my undergraduate studies to do the NLP research that I have always wanted to do. I am interested in researching mathematical problem-solving models and wish to passionately carry out my desired research based on the latest trends identified through my undergraduate studies and paper reviews.

EDUCATION

Korea University 2019 - Present
1st major: Computer Science
2nd major: Mathematics
Main course: Deep learning, Convex Optimization, Information theory and inference
GPA: 4.24/4.5

Busan Il Science High School 2016 - 2018

RESEARCH EXPERIENCE

AI Grand Challenge September 2022 - December 2022
Internship Project

- A project completed as an undergraduate researcher at the AIML-K.
- Dealing with question answering problem in document.
- To obtain a dataset for training, crawl the government document at PRISM using ajax
- For more scientific data, crawl not only the above documents, but also NKIS documents.
- Devise a method to automatically convert from Type 2(finding the answer in the document) to Type 1, where the relevant paragraph in the document is found.

AI Grand Challenge July 2023 - August 2023
Internship Project

- A project done as an undergraduate researcher at the AIML-K
- Dealing with question generation problem in table.
- Since a lack of numerical tabular data, crawl the tabular data in KOSIS.
- Make sample problems (around 100 items) and fine-tune the LLM to generate the problem.

AWARDS

Korea Olympiad of Informatics 2017
Bronze Award
Korea Olympiad of Informatics 2018
Bronze Award
E-ICON World contest 2018
Best Creativity Award
Algorithm contest, Korea University 2019
3rd prize, Freshmen Department
AI Bookhaton, Sungkyunkwan University 2022

Participant Award

AI Grand Challenge 2022

7^{th} prize

Participate as an undergraduate research student in AIML-K

AI Grand Challenge 2023

2^{nd} prize

Participate as an undergraduate research student in AIML-K

SKILLS

Programming Language

C/C++(Intermediate), Python(Intermediate), Javascript(Junior)

Libraries/Frameworks

Pandas, Numpy, Pytorch, Huggingface, algorithm(C/C++)

Other skills

Probability theory, Optimization theory, Mahcine/Deep Learning theory