

YOONSANG LEE

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EDUCATION

Seoul National University

B.S. in Computer Science and Engineering

B.S. in Statistics

Leave of absence for compulsory military service (1.5 years)

Mar 2019 - Present

Seoul, Korea

Gyeonggi Science High School for the Gifted

High school for gifted students in mathematics and science

Mar 2016 - Feb 2019

Suwon, Korea

RESEARCH EXPERIENCE

Machine Intelligence Lab, Seoul National University

Undergraduate Researcher (Supervisor: Prof. Kyomin Jung)

Jul 2022 - Present

- Designed model for few-shot dense retrieval and enhanced performance on selected BEIR datasets

Naver AI Lab

Jan - Feb 2023

- Implemented causal deep learning model with Transformer

PROJECTS

NowSee

Sep - Dec 2022

- Web service for live weather feed and statistics [Link]

Haemong Dogam

Jul 2022

- Web service for interpreting and recording dreams [Link]

Hate Twits Classifier

Nov - Dec 2020

- Classified twits into 'hate', 'offensive', 'non-offensive' using characteristics as parameters of logistic regression

Finding Abandoned Animals with Keywords

Jul - Aug 2019

- Developed a program finding one's abandoned animal based on specified categories and similar keywords, resulting better search than official webpage Broadcasted on EBS

Study on Correlation between National Power and Visa by Visa Network

May - Jun 2019

- Constructed Visa Network and analyzed correlation between in/out degrees and GDP

Collaborative Filtering Recommendation System Correcting User Bias Based on Comments-Rating Relationship

Mar - Jun 2018

- Suggested enhanced recommendation system using CNN trained by movie comments to unbiased user ratings

AWARDS AND SCHOLARSHIPS

Merit Based Scholarship

Every semester

Army Commendation Medal

2022

4th place, Selected Topics Seminar 2 Presentation

2019

Silver, Korea Olympiad in Informatics

2018

SKILLS

Programming Languages	C++, Java, Python, R, HTML/CSS, Javascript, SQL
Frameworks and Tools	PyTorch, ReactJS, Django, Git
Languages	Korean(native), English(TOEFL 100 TOEIC 965)

TEACHING EXPERIENCE

Electrical and Electronic Circuits <i>Undergraduate TA</i>	Sep - Dec 2020
· Graded 3 exams and 4 homeworks of around 150 students	
Invited talk at SNUE Gifted Science Education Center	Jun, Oct 2019
· Introduced recent trend of computer science to gifted students in informatics	

EXTRACURRICULAR

LikeLion at SNU	Mar - Nov 2022
- Studied HTML/CSS, ReactJS, Django for web development	
Sergeant, Korean Augmentaion to the US Army, Camp Humphreys	Dec 2020 - Jun 2022
SAENA, SNU CLS Ambassador	Apr 2019 - Aug 2020
Student Council, Department of Major and Autonomy	Mar - Nov 2019
International Olympiad in Informatics Training Camp in Korea	Jul - Aug 2016, Jan 2017
- Studied advanced data structures and algorithms	