SIMO RYU

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Blog : fb.com/MLPaperFetchingCat Github : github.com/cloneofsimo

HONORS AND AWARDS

2021 Google HashCode Qualification Round   Spring 2021
4th Place in South Korea (55th Place WorldWide), Team *boots jeon cats*

2020 Google HashCode Qualification Round   Spring 2020
2nd Place in South Korea (61th Place WorldWide), Team *boots jeon cats*

2021 MAIC Sleep AI Challenge   Spring 2021
8th Place, Team *BOREL*

ICPC Seoul Regional   Winter 2020
17th Place, Team ——*Amoeba*——

ICPC Seoul Regional   Winter 2021
28th Place, Team *Cat Is All You Need*

2021 University Students Contest of Mathematics (2nd Track)   Winter 2021
Silver Award

2019 University Students Contest of Mathematics (2nd Track)   Fall 2019
Silver Award

Samsung AI Challenge for Scientific Discovery   Fall 2021
12th Place

Graduation Thesis on Mathematics (Seoul Science High School)   Winter 2018
Grand Prize

Research Task on Mathematics (Seoul Science High School)   Winter 2017
Grand Prize, Team participation

2019 KCPC (1st Track)   Winter 2019
Excellence award

31th Korean Mathematical Olympiad   Winter 2017
Silver Prize

30th Korean Mathematical Olympiad   Winter 2016
Gold Prize

제 2회 2020 금융 빅데이터 페스티벌, 보험금 분야   Fall 2020
7th Place on Public Scoreboard, Team *Financially Independent Cat*

EDUCATION

Korea University   March 2019 – Current
Double Major : Cyber Defense & Business School
GPA : 3.94/4.5   Seoul, Korea

Seoul Science High School   March 2016 – December 2018
                                                                                   Seoul, Korea

WORK EXPERIENCE

Research Intern   January 2020 – December 2020
Korea University Department of Information Security, SPAI Lab   Seoul, Korea

- Worked as research intern. Research on graph based mutual information model and sentiment analysis of major cryptocurrencies.
- Skillset : Spectral Graph theory, Information theory, Pytorch, Huggingface, networkx

Research Intern   March 2021 – June 2021
Korea University Department of Information Security, Computer Systems Security Lab   Seoul, Korea

- Worked as research intern for binary code similarity project. Researched on code clone detection in malware

Machine Learning Engineer   April 2021 – Current
Corca AI   Seoul, Korea

- Developed and deployed mixture of Deep learning and optimization algorithm for retail supply prediction and promotion optimization. Created over 5% increase in gross profit
- Skillset : Time series forecasting, Neural ODE, Convex optimization (Mixed Integer Programming), Pytorch, GCP

SKILLS

Languages: Korean(Native), English (Fluent, TOEIC score 900)
Algorithms, Problem Solving: C/C++
Machine Learning: Pytorch, Pytorch-lightning, Huggingface, LightGBM, onnx, BentoML
Optimization: or-tools
Web Frontend: React, Gatsby, Threejs (novice)
Web Backend: Django (novice)