

JunHyeok Seo

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Summary

I am a student at Yonsei University who is interested in **medical AI and computer vision and machine learning** and is studying related development and research.

Interested in

computer vision- accurate and fast medical dagnosis and precise treatement
machine learning- Since patient data is smaller than typical data, I would also like to research **efficient AI training methods**. -

Education

YeongIl Highschool(in pohang) 2019 – 2021

- started to intersted in computer and AI

Yonsei University(Sophomore) 2022-

- **Coursework**

Linear Algebra- how to analyze the space like vector and matrix.

Data Structure- learning data structure and basic algorithm

Probability and Statistics- learning how to analyze the data with Statistics

Computer Programming, oriented optimal programming- learning how to make code, and basic programming

Club Activity

Morgorithm 2024.03-

- Interested in PS, I learned about and analyzed algorithms by solving problems that appeared in competition(ICPC)s with other members

Additional Experience

therapy -2018

- Since I was born, my health was not good, so I underwent major and minor surgeries and rehabilitation in parallel with my studies.
- After freshman year, I needed a year-long leave of absence to live independently.

the things that i learned in leave of absence period 2023

- moving with electronic wheelchair naturally

- walk longer using the medical devices

- the other activities needed to live independently

horseback riding 2012-2018

- I originally started it for rehabilitation.
- Both obstacle jumping and horse racing are possible.

Personal Activities

Deep learning From Scratch 1,2 2022.07-2022.08

- Studying to build **basic knowledge related to deep learning**. Through this activity, I also learned about various functions related to Python, including numpy.

CS229-Andrew Ng(2018-autumn)-on youtube 2024.06-2024.07

- I was curious about the **applications of machine learning**, so I listened to the lecture on YouTube. Solve problem sets with friends, share solution methods, and analyze problems.

Algorithmic Problem Solving Strategies

2024.01-2024.09

- I learned about the **principles behind each algorithm**, what situations they are **actually used in**, and **how to use them efficiently**.

Image Processing for Engineering and Science Specialization(Coursera)

2024.09-

- Because I am interested in **computer vision**, I am studying courses at Coursera that cover how to use **Matlab** and basic knowledge related to computer vision.

Technologies

Languages: Korean(native)

Computer Languages: C++, python

Technologies: tensorflow, numpy, pandas, basic algorithm