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 others, 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 a**ctually 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: tenserflow, numpy, pandas, basic algorithm