

Sungmoon Jung

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SUMMARY

I am a student passionate about problem-solving and AI research.
My ultimate goal is to become an AI hardware optimization engineer, applying technology to benefit society.

EDUCATION

- 03/2020 - 08/2024 • B.S. in IT and Information Technology
Jeonbuk National University
- GPA 4.03/4.50 (Major GPA 4.17/4.50)



WORK EXPERIENCE

- 06/2024 - Present • Coding Test Instructor
Inflearn
- Launched the **Python Coding Test A to Z Course**. ([link](#))
- 03/2022 - 09/2022 • Coding Instructor
Elice
- Instructed students on algorithms and programming languages (C++/Python).



AWARDS & HONORS

International Collegiate Programming Contest (ICPC)

- Qualified for ICPC Asia Pacific Championship 2024**, Hanoi, Vietnam
- 18th Place**, ICPC Asia Jakarta Regional, 2023
- 31th Place**, ICPC Asia Seoul Regional, 2023
- 54th Place**, ICPC Asia Seoul Regional, 2022
- 51th Place**, ICPC Asia Seoul Regional, 2021

AI Competition

- 2nd Prize**, Big Data Innovation Convergence University AI Competition, 2022 ([link](#))

PROJECTS

Defect detection in agricultural product X-ray images

📅 03/2023 - 06/2023

🔗 https://github.com/tjdans6342/Defect_Detection_Project

- This project is about transforming X-ray images of agricultural products to make defects more visible.
- This project algorithm was implemented using only OpenCV and NumPy libraries, without using any AI technologies.

Gaussian Elimination Parallelization using CUDA Programming

📅 12/2022 - 12/2022

🔗 <https://github.com/tjdans6342/CUDA-Programming>

- This project is implemented using CUDA programming (parallel processing) to perform Gaussian Elimination.
- In theory, applying CUDA programming (parallel processing) to Gaussian elimination can reduce its complexity from $O(n^3)$ to $O(n)$.

TECH SKILLS

Programming: C/C++, Python, Tensorflow, OpenCV, NumPy, Pandas, Selenium

Other Skills: Git/Github, LaTeX

LANGUAGES

Korean Native English Intermediate