



Sangbeom HA

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B.E. - Electrical Engineering

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Github | Website

SUMMARY

My goal is to start as an AI engineer and ultimately become a company manager. To this end, I majored in electrical engineering in college, specializing in AI, while also studying business administration and participating in related projects. I plan to pursue a combined master's and doctoral degree in AI research starting in 2026.

EDUCATION

Degree/Certificate	Institute/Board	Year
B.E.	Pohang Science and Technology University (POSTECH) / Pohang	2021-2025

EXPERIENCE

- Efficient Learning Lab(EfLL)** *Summer. 2023 - Spring.2024*
Intern Pohang, Republic of Korea
 - Studied about Large-Scale Model Quantization.
 - A paper entitled "Massive Activations of State-Space Models: A Preliminary Take" was published in Korean AI Association(KAIA).
- Advanced Machine Intelligence Lab(AMI)** *Winter 2022*
Intern Pohang, Republic of Korea
 - Studied computer vision under the guidance of a graduate student in the lab based on Stanford CS231N.

PROJECTS

- SwinDETR and SwinDETR-Based Real-Time Object Detection** *Apr. 2024 - Jan. 2025*
2024 POSTECH Undergraduate Group Research Program (UGRP) Github
 - Team Member, In charge of coding.
- AI based analog EDA platform** *Fall 2023, Fall 2024*
Capstone Design Project, POSTECH Github
 - Team Member, In charge of coding.
- Application for correcting exercise posture using ML kit** *Apr. 2022 - Jan. 2023*
2022 POSTECH Undergraduate Group Research Program (UGRP) Github
 - Team Leader

SKILLS

- Programming:** Python, C/C++
- Languages:** Korean, English
- Tools/Frameworks:** Pytorch
- Operating Systems:** Windows, Linux ** Elementary proficiency*

KEY COURSES TAKEN

- Artificial Intelligence:** Visual intelligence, Machine learning, Efficient ML Systems
- Mathematics:** Linear Algebra, Basic Calculus, Discrete Maths, Probability & Random Processes, Differential Equations
- Management:** Introduction to Startup Law & Intellectual Property and M&A, Marketing, Introduction to Entrepreneurship

POSITIONS OF RESPONSIBILITY

- Member,**ADLIB club, POSTECH *Feb. 2023 - Feb. 2024*
 - In charge of actors and lead of lighting team for various plays.
- Representative Player,**POSTECH – KAIST Science War : AI Competition *Sep. 2022*
 - Developed an AI that can play in the Quoridor game.
- Team Leader,**LOKOMATE club, POSTECH *2023*
 - This club analyzes and discusses the current status of investment, policies, implications, and related startups & large corporations in the science and technology industry.

ACHIEVEMENTS

- **Encouragement prize**,POSTECH Programming Contest (PPC) *2024*
- **Encouragement prize**,POSTECH Undergraduate Group Research Program (UGRP) *2023*
- **Grand prize**,POSTECH Techathon *2022*
 - A competition to devise a business model using existing startup companies' items.
- **Excellence prize**,POSTECH Undergraduate Group Research Program (UGRP) *2022*
- **Encouragement prize**,POSTECH Undergraduate Group Research Program (UGRP) *2021*

EXTRACURRICULARS

- **Member**,POSTECH-Yonsei University Startup Bootcamp *Jan. 2023*
- **Student Volunteer**,Online Mentoring for Middle School Students *Apr. 2022 - Jul. 2022*
- **Member**,4th University Union Entrepreneurship Camp *Summer. 2022*