# Sagbeom HA

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## 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 | GPA | Year |
|:---:|:---:|:---:|:---:|
| B.E. | Pohang Science and Technology University (POSTECH) Pohang | 0.0r0 | 2021-2025 |

## EXPERIENCE

- **Efficient Learning Lab(EffL)** — *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*