

Hanbo Shim

[in Hanbo Shim](#) |
hanbo0918@kaist.ac.kr | [+82 10 9379 9930](#)

SUMMARY

I am Hanbo Shim, a senior at KAIST, majoring in Computer Science with a minor in Business Technology Management. My primary interests lie in computer vision, quantum computing, and startups. After graduation, I plan to pursue a Ph.D. in computer vision.

WORK EXPERIENCE

EPFL AI Team Deep Learning Engineer - Switzerland	Jan 2025 - June 2025
Enhanced an emotion detection system by fine-tuning ResNet-18 on FER2013, integrated with a content-based recommender using Spotify and TMDB APIs, and deployed end-to-end pipelines (PyTorch, CV2, Django) across frontend, backend, and ML components.	

Superconducting Quantum Nanoelectronics Laboratory Research Intern - South Korea	June 2024 - Aug 2024
Assisted research in adaptive quantum state tomography. Developed an optimizer and a simulation to support research on improving the efficiency of quantum state estimation in high-dimensional systems.	

AWARDS

Lemanic Life Science Hackathon Scientific Excellence Award - Switzerland

Engineered custom DNA-based feature extraction to enhance model interpretability and classification performance, and developed a GPU-accelerated XGBoost pipeline that achieved 90% test accuracy across 400+ plant genera, supporting scalable biodiversity analysis.

EDUCATION

2022 Aug - present	Bachelor's Program at KAIST	(GPA: 3.5/4.3)
2025 Jan - 2025 Aug	Exchange Student at EPFL	(GPA: 5.4/6.0)
2022	The British School of Guangzhou	(A level 5A*)

TECHNICAL SKILLS

Relevant Courses

- MAS109 - Introduction to Linear Algebra
- MAS201 - Differential Equations and Applications
- CS270 - Intelligent Robot Design and Programming
- CS376 - Machine Learning
- CS484 - Introduction to Computer Vision
- CS371 - Introduction to Deep Learning

Experienced libraries

- Python, PyTorch, OpenCV, scikit-learn, Pandas, NumPy, Django, Git

LEADERSHIP & SKILLS

2023 Aug - 2023 Dec	Vice President of KAIST Kumdo Club
2024 Jan - 2024 Dec	President of KAIST Kumdo Club
2024 Jan - 2024 Aug	Founder of FireVision (closed)
2025 Mar	1st place AI x Precision Medicine Ideation Sprint (EPFL Life Sciences)
2025 Aug - present	Founder of Yeoyu (Joined with KAIST SW Education Center)

LANGUAGES

English	IELTS 8.0 / 9.0, TOEIC 965 / 990
Mandarin	HSK 5
Korean	Native