

# Hanbo Shim

 [Hanbo Shim](#) |  
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## SUMMARY

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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

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### EPFL AI Team

Jan 2025 - June 2025

Deep Learning Engineer - Switzerland

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

June 2024 - Aug 2024

Research Intern - South Korea

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

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### 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

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

## TECHNICAL SKILLS

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### 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

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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

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