

Seunggi Moon

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EDUCATION

Korea University <i>College of Informatics</i> <ul style="list-style-type: none">B.S. in Computer Science and EngineeringCumulative GPA: 4.29/4.5	Mar. 2020 – Feb. 2027 (Including Military Service) <i>Seoul, South Korea</i>
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RESEARCH INTERESTS

- Generative Models:** Image, Video and Audio Generation, Diffusion Models
- Large Language Models:** LLM/VLM Agents
- On-Device AI:** Model Optimization, Embedded AI

EXTRACURRICULAR ACTIVITIES

Artificial Intelligence Society in Korea University (AIKU) <i>Senior Member</i> <ul style="list-style-type: none">Completed a society-hosted bootcamp course covering from Deep Learning fundamentals to the core of Computer Vision and Natural Language Processing.Led multiple paper review sessions and technical seminars as a senior member.Conducted collaborative projects focusing on Human Pose Estimation and Deep Reinforcement Learning.Received multiple awards in society-hosted datathons.	Jan. 2024 – Present <i>Seoul, South Korea</i>
Korea University Web Masters (KWEB) <i>Junior Member</i> <ul style="list-style-type: none">Completed introductory course in full-stack web development, focusing on both frontend and backend technologies.	Mar. 2023 – Dec. 2023 <i>Seoul, South Korea</i>

EXPERIENCE

ONBIT LAB <i>CTO, Co-Founder</i> <ul style="list-style-type: none">Developing healthcare devices equipped with on-device AI.Focusing on lightweighting and optimization of Deep Learning models to enable deployment on embedded devices.	Feb. 2025 – Present <i>Seoul/Cheonan, South Korea</i>
KAIST AI Research Internship (KAIRI) <i>Research Intern</i> <ul style="list-style-type: none">Proposed a Diffusion-based model architecture for solving Zero-shot Head Swapping tasks.	Dec. 2024 – Jun. 2025 <i>Seongnam, South Korea</i>
SKT AI Fellowship <i>Research Fellow</i> <ul style="list-style-type: none">Collaborated with SK Telecom, the largest telecommunication operator in South Korea.Conducted research on 3D Object Insertion in Video for commercial product applications.Developed an automated pipeline for Virtual Product Placement, implementing camera parameter inference and 3D object synthesis in video sequences.	May 2024 – Oct. 2024 <i>Seoul, South Korea</i>
Military Service <i>KATUSA Sergeant</i> <ul style="list-style-type: none">Served 18 months of mandatory military service as KATUSA (Korean Augmentation To the United States Army).Contributed to cooperation between U.S. military and local community while working in Public Affairs.	Jun. 2021 – Dec. 2022 <i>Daegu, South Korea</i>

HONORS & AWARDS

Chungbuk National University Innovative Startup League

Sep. 2025

1st Place

- Proposed a business model for a smart assistive device tailored to the hearing and visual impairments based on on-device AI.
- Received the highest evaluation in terms of ideas and commercialization potential.

Korea University College of Informatics Datathon

Nov. 2024

1st Place

- Led team research on enhancing image captioning performance of Vision-Language Models.

Seoul Metropolitan City AIoT Hackathon

Nov. 2023

2nd Place

- Led development of an autonomous waste collection robot with real-time server communication.
- Received commendation from **Seoul Mayor Oh, Se-hoon**.

Korea University College of Informatics Hackathon

Nov. 2023

4th Place

- Designed and developed an online community platform for Korea University's College of Informatics students, alumni, and prospective students.

Korea Olympiad in Informatics (KOI)

Jul. 2015

Encouragement Award

- Participated in the 32nd Korea Olympiad in Informatics, Middle School Division.

PUBLICATIONS

Co-Stimuli-Driven 2D WSe₂ Optoelectronic Synapses for Neuromorphic Computing

Small, 2025

J Sung, SW Kim, D Lee, *S Moon*, E Lee, HH Kim

[10.1002/sml.202504024](https://doi.org/10.1002/sml.202504024) 

LANGUAGE SKILLS

English – Professional Working Proficiency

- TEPS 519
- TOEIC 960

Korean – Native