

Sung Wook Ha

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B.S., Intelligence System and Electronic Engineering

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Associate Researcher

KETI (Autonomous Intelligent System Research Center)

25 Sanari-ro, Bundang-gu, Seongnam-si, Rep. Korea

Master Student

Hanyang University (Department of Artificial Intelligence)

222, Wangsimni-ro, Seongdong-gu, Rep. Korea

INTERESTS

- LLM Prompt Engineering
- Speech to Text, Text to Speech
- Computer vision & image processing
- Multi-Agent Interaction
- On-Device

EXPERIENCE

- **KETI (Korea Electronics Technology Institute)** Seongnam, Rep. Korea
Associate Researcher *Jul. 2024 -Present*
- **Visual Intelligence Lab(Hansung University)** Seoul, Rep. Korea
Undergraduate Researcher *Feb. 2023 - Feb. 2024*
- **Intelligence Computing Lab(Hansung University)** Seoul, Rep. Korea
Undergraduate Researcher *Jul. 2022 -Dec. 2022*

EDUCATION

- **Hanyang University** Seoul, Rep. Korea
M.S. in Dept. Artificial Intelligence., Supervisor: Yung-Kyun Noh *Mar. 2024 – Present*
- **Hansung University** Seoul, Rep. Korea
B.S. in Intelligence System and Electronic Eng. *Feb. 2024*

CONTESTS AND AWARDS

- 2022 Ministry of Defense AI Challenge (22/440), ImageSegmentation, Restoration, Ministry of Defense, Ministry of Science and ICT, Korea(Sep.2022~Dec.2022)
- 2022 Dacon Machine Failure Diagnosis AI Contest (109/291), (Dec. 2022~Jan.2023)
- 2023 Dacon 4D block Structure Extraction AI Competition (50/461), Multi-Label Classification (Jan.2023~Feb.2023)
- 2023 Dacon Tv Hand Gesture Control Recognition AI Competition (65/216), (Jan.2023~Feb.2023)
- 2023 Kyowon Group AI Challenge Advance to the finals (9/430), OCR, KyowonGroup,

Korea(Jan.2023~Feb.2023)

PAPERS

- **SungWook Ha**, Mira Lee, Hyoseon Kye, YungKyun Noh, “Design and Development of a Simulation Framework for Agent Interaction Based on Generative AI”, Korean Society for Internet Information(KSII), Seoul, Rep. Korea, 2025

PROJECT

- Development of IT service for self-health care management of childhood obesity
KHIDI, 2023~2023
- Demonstration of development of domestic SoC-based on-device AI hyper-personalized home appliance system
KEIT, 2024~2025
- Adaptive Personality for Intelligent Agents
IITP, 2024~Present
- Development of Digital Agent-Society Platform for Training Human-Centric AGI Agents
IITP, 2025~Present

SKILLS AND TECHNIQUES

- **ML/ DL** Pytorch, Tensorflow, Cuda, NPU SDK Acceleration
- **Programming** Python, C
- **Hardware** Arduino, Raspberry pi, Orange pi, Jetson Nano, Jetson Orin, NPU(DeepX DX-M1)