

TONGMIN KIM

Seoul, South Korea, Seobinggoro 17

tmkim0718@gmail.com +821089090934

EXPERIENCE

- ❖ Undergraduate Researcher, KAIST CV-LAB Jan 2026 — Current
Seoul, South Korea
 - Participated in research on analyzing human-garment correspondence in Diffusion Transformer-based Virtual Try-On and proposing the CORAL method via attention alignment.
 - Participated in research on a multi-view generation method that improves geometric consistency using a tracking module and attention alignment.
- ❖ CTO, TERAMIME Startup May 2025 — Jan 2026
Seoul, South Korea
 - Contributed to the development of a lip-based speaker identification model using a GCN and landmarks.
 - Selected for the NIPA (National IT Industry Promotion Agency) GPU leasing program based on a proposed generative-model-based liveness detection system (8× NVIDIA H200 GPUs).
 - Awarded 1st place at the Seoul Investment Bridge IR Program and received the Seoul Regional SMEs and Startups Office Award.
 - Secured initial seed investment
 - Selected as a finalist for the World Intellectual Property Organization (WIPO) Global Awards
 - Recipient of the CES Innovation Award in the AI category
- ❖ Project Leader, Advanced Machine Learning Project Sep 2025 — Dec 2025
Seoul, South Korea
 - Developed a one-class liveness detection model utilizing frequency-domain data reconstruction and decomposition, leveraging the distribution of VAE reconstruction losses in low- and high-frequency bands.
- ❖ Undergraduate Researcher, Korea University AI-LAB Feb 2025 — Sep 2025
Seoul, South Korea
 - Participated in a project developing an advanced pediatric emergency prediction model using multi-label classification based on a BERT NLP model trained on data from St. Mary's Hospital.
 - Participated in research on architectures designed to address irregular time intervals in time-series data for EHR event sequences.
- ❖ Team Member, Deep Learning Lecture Project Mar 2025 — Jul 2025
Seoul, South Korea
 - Implemented a lip-reading model for four-digit number sequences using VTP and GRU, and prepared a research paper-style report.
- ❖ Team Member, SK A-Dot Early Adopter Activity Nov 2024 — Dec 2024
Seoul, South Korea

- Implemented a reading promotion template using the generative AI platform Adot and received the Excellence Award.
- Utilized multi-agent systems with prompt engineering while considering model-specific characteristics.

❖ Member, KAIROS Society Activity Aug 2024 — Dec 2024
Seoul, South Korea

- Implemented a supplement recommendation service using a self-constructed database and an LLM-based model.
- Built a data labeling pipeline and image retrieval system using LLMs and Pinecone, incorporating a RAG-based framework.

❖ Member, EPOCH Society Activity Mar 2024 — Dec 2024
Seoul, South Korea

- Implemented an ensemble model to predict movie success based on film metadata.
- Conducted a project analyzing current youth culture by performing clustering on data from adolescents in multicultural families.

❖ Team Member, Naver Ambassador Activity Sep 2023 — Dec 2023
Seongnam, South Korea

- Selected as a Top 10 team in the Generative AI Startup Track and completed the NAVER AI RUSH 2023 program.
- Conducted research on prompt tuning techniques to implement STT service functionality based on HyperCLOVA X.

EDUCATION

❖ Korea University 2020 — 2026
Health and Environmental Convergence Science / AI Application Seoul, South Korea

- GPA: 4.09 / 4.5.
- Relevant Coursework: Advanced Machine Learning, Machine Learning, Deep Learning, Natural Language Processing, Artificial Intelligence, Probability and Random Processes, Programming for Data Analysis, Linear Algebra, Engineering Mathematics, Medical Image Processing, Data Structures
- Awarded Top Student (Semester) 6 times and Honors Student 1 time

SKILLS

Pytorch Python
SQL C
OcamL

LANGUAGES

Korean ❖❖❖❖❖ English ❖❖❖❖❖