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Yoonji Nam

Education

Sungkyunkwan University (SKKU), Republic of Korea *2022.02 – 2026.02*
B.S. in Data Science GPA: 4.45 / 4.5
– Ranked 1st among graduating students in the College of Computing and Informatics.

Experience

Vision and Learning Lab @ Seoul National University *2025.04 – 2026.06*
Research Intern, Advisor: Prof. Gunhee Kim Republic of Korea
– Developed and evaluated multimodal language models spanning vision, audio, and text, with a focus on deictic reference grounding and assistance in multi-party conversations.
– Built scalable data-generation, annotation, and evaluation pipelines for two multimodal benchmarks, and conducted model failure analysis to refine task and dataset design.

Electronics and Telecommunications Research Institute (ETRI) *2025.01 – 2025.02*
Research Intern Republic of Korea
– Investigated continual and compositional knowledge editing in a new sequential multimodal setting, contributing to MemEIC (NeurIPS 2025).
– Implemented and validated the MEND baseline across two VLM backbones for the paper's sequential editing experiments.

Asan Medical Center *2023.06 – 2023.08*
Research Assistant Republic of Korea
– Built a medical-document de-identification pipeline combining OCR and LLM-based entity detection to locate and mask personally identifiable information in scanned documents.

Publications

MemEIC: A Step Toward Continual and Compositional Knowledge Editing *NeurIPS 2025*
Jin Seong, Jiyun Park*, Wencke Liermann, Hongseok Choi, Yoonji Nam, Hyun Kim, Soojong Lim, Namhoon Lee.*
* *indicates equal contribution.*

- Re-engineered MEND, originally designed for single-edit settings, for sequential multimodal knowledge editing across two VLM backbones.
- Built per-edit diagnostics to trace efficacy and numerical stability, isolated early edit failures from subsequent NaN divergence, and stabilized repeated updates using greedy weight interpolation.

Selected Projects

Multi-Person Identity Clustering Pipeline *2025*
Vision and Learning Lab @ SNU (Barrier-Free Scene Segmentation)

– Improved Pairwise F1 from 0.92 to 0.94 by integrating k-reciprocal re-ranking into a FaceNet-based agglomerative clustering pipeline; used embedding visualization to inspect residual clustering errors across demographic edge cases.

Interactive Defect Detection and Explanation System *2024*
Smart Factory Capstone Design 2 @ SKKU | Copyright Registration C-2024-052449

– Built a modular Streamlit prototype for comparing ResNet50, MobileNetV2, EfficientNetB0, and Swin Transformer predictions through interactive LIME and SHAP explanations.

End-to-End AI Assistant for University Freshmen (RAG-based) *2024*
Course Project, AI System @ SKKU

– Built a RAG assistant for university policies and student-life information, implementing web-data ingestion, preprocessing, embedding, FAISS indexing, retrieval, and GPT-4-based response generation.

Technical Skills

Programming: Python, C
ML/LLM: PyTorch, Hugging Face Transformers, scikit-learn, OpenCV, LangChain, FAISS, PEFT/LoRA
Languages: Korean (native), English (TOEIC 950, OPIc IH)

Honors & Awards

Outstanding Graduate Award, Sungkyunkwan University (2026)
President's Commendation, SKKU (2026)
SW Mentoring Best Award, Sungkyunkwan University (2024)
Dean's List, 4 semesters; **Academic Excellence Scholarship**, 5 semesters

Teaching & Mentoring

Teaching Assistant, Corporate AI Coding Training for Hyundai WIA (2026)
Teaching Assistant, AI Basics and Uses, SKKU (2024)
Mentor, SW Mentoring Program, SKKU (2023)