Yoojin Oh

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Education

Korea Advanced Institute of Science and Technology (KAIST)   Mar 2026 – Feb 2028 (expected)
M.S., Artifical Intelligence

Ewha Womans University   Mar 2022 – Feb 2026 (expected)
B.S., Artificial Intelligence (GPA: 4.23/4.3)

Research Experience

Computer Vision Lab, POSTECH   Jun 2025 – Nov 2025
Research Intern (Advisor: Suha Kwak)
▸ Self-Supervised Audio-Visual Multimodal Learning for Multi-Source Sound Localization using Slot Attention mechansim

Practical AI Lab, Ewha Womans University   Mar 2024 – Jun 2025
Research Intern (Advisor: Junhyug Noh)
▸ Test Time Adaptation(TTA) using diffusion models for Robust Learning
▸ Improving Activation Map for Weakly Supervised Object Localization (WSOL) task

AI Security Lab, Ewha Womans University   Nov 2023 – Feb 2024
Research Intern (Advisor: Seeun Oh)
▸ Advancing Data Augmentation methods for Self-Supervised Learning in Realistic Website Fingerprinting

Publications

[1] **Slot-based Audio-visual Matching for Multi-source Sound Localization**
    Inho Kim*, **Yoojin Oh***, Suha Kwak **(* equal contribution)**
    Under Review

[2] **Beyond Softmax: Dual-Branch Sigmoid Architecture for Accurate Class Activation Maps**
    Yoojin Oh, Junhyug Noh
    British Machine Vision Conference (BMVC 2025)
    Links: 🌐📄⬡

[3] **SteeringTTA: Guiding Diffusion Trajectories for Robust Test-Time-Adaptation**
    Jihyun Yu, **Yoojin Oh**, Wonho Bae, Mingyu Kim, Junhyug Noh
    Putting Updates to the Test (PUT) Workshop at ICML (ICMLW 2025)
    Links: 📄

Work Experience

Spresto   Jul 2024 – May 2025
Research Intern
▸ Develop a Spycam detection model using Test Time Adaptation to prevent illegal filming

Naver Z   Jul 2023 – Aug 2024
Collaborated with Naver Z through an industry-academia project
▸ Fine-tune Stable Diffusion model and create LoRA for ZEPETO Object Generation

Awards

SPARCS Service Hackathon 3rd Place - KAIST   Feb 2024
▸ AI Memory Recording Service, Kilock
▸ Develop Image Generation Model based on user-friendly conversation with Chatbot

College of AI Ideas Competition 1st Place - Ewha Womans University   Dec 2023
▸ Construct Deep Voice Discrimination and Phishing Text Classification Pipeline for Voice Phishing Dual Defense

Scholarships

The National Excellence Scholarship (STEM)	Jun 2024 – present
Song Bok Eun Scholarship	Jan 2024
Scholarship for Academic Excellence	Nov 2023
Scholarship for Academic Excellence	Aug 2023
Kim Hyun Gon Shin Kyung Soon Scholarship	May 2023
Scholarship for Academic Excellence	Feb 2023
Hwain Chang Lee Scholarship	Nov 2022
Kathryne B. Sears Memorial Scholarship	Nov 2022

IT Skills

Programming Languages: Python, C/C++, Java, R

Frameworks/Tools: Pytorch, Tensorflow, Keras, OpenGL