

MIJIN KOO

M.S. Student in Intelligence and Information

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EDUCATION

09/2024 – Present	Seoul National University, Seoul, Korea M.S. in Intelligence and Information (Advisor: Prof. Nojun Kwak)	Lab Link
03/2020 – 08/2024	Ewha Womans University, Seoul, Korea B.S. in Computer Science and Engineering (GPA: 4.08/4.50)	

RESEARCH EXPERIENCE

01/2024 – Present	Seoul National University, Seoul, Korea <ul style="list-style-type: none">Graduate Researcher, Machine Intelligence and Pattern Recognition Lab (MIPAL)Research Focus: Computer Vision, Generative AI, Trustworthy AI, Diffusion ModelsDeveloping robust and secure generative vision models, with a primary focus on data protection against potential misuse.	
06/2023 – 12/2023	Korea Institute of Science and Technology (KIST), Seoul, Korea <ul style="list-style-type: none">Undergraduate Research Intern, AI and Robotics Institute (Advisor: Dr. Suhyun Kim)Developed adversarial defense mechanisms utilizing Diffusion and Super-Resolution models.Conducted comparative analysis on purification performance against diverse adversarial attacks.	

PUBLICATIONS

Under Review	Fingerprinting Diffusion Models in the Wild Submitted to CVPR 2026 Junhoo Lee, Mijin Koo , Nojun Kwak	
2026	Targeted Data Protection for Diffusion Model by Matching Training Trajectory The 40th Annual AAAI Conference on Artificial Intelligence (AAAI 2026) Hojun Lee*, Mijin Koo* , Yeji Song, Nojun Kwak (* Equal Contribution)	arxiv
2025	Adversarial Purification via Super-Resolution and Diffusion IEEE/CVF International Conference on Computer Vision (ICCV 2025) Mincheol Park, Cheonjun Park, Seungseop Lim, Mijin Koo , Hyunwuk Lee, Won Woo Ro, Suhyun Kim	PDF

PROJECTS

03/2025 – 06/2025	A Single Word Bypass – How Name Tokens Break Data Protection <ul style="list-style-type: none">Proved via mechanistic analysis that token choice bypasses existing diffusion personalization safeguards.Proposed a token-agnostic defense strategy and established robust evaluation protocols for realistic threats.	Coursework @ SNU · Video · PDF
02/2023 – 06/2023	CareSpoon: AI-based Nutrition Monitoring Service for Seniors <ul style="list-style-type: none">Engineered an Object Detection pipeline (PyTorch) for food recognition and deployed a FastAPI server.Built a custom food image dataset via AI HUB to enhance model accuracy for Korean cuisine.Selected as the University Representative Team for the National SW Talent Festival.	Capstone Design @ Ewha Womans Univ. · GitHub
07/2021 – 08/2021	Smart Bakery: Self-Order Kiosk Web Service <ul style="list-style-type: none">Developed a full-stack prototype integrating Vanilla JavaScript frontend with an AI inference backend.Implemented an Image Classification model (PyTorch) to automate bakery product checkout.	Undergraduate Course Project · GitHub

EXTRACURRICULAR EXPERIENCE

02/2023 – 02/2024	President, SK LOOKIE (Social Venture Club) <ul style="list-style-type: none">Directed the university chapter, overseeing social impact projects and sustainable business modeling.	
03/2021 – 08/2022	Manager / Academic Lead, AI Club Euron <ul style="list-style-type: none">Curated the curriculum for Computer Vision (CS231n) study sessions and led technical seminars.	GitHub
07/2021 – 07/2022	Core Member, Google Developer Student Club (GDSC) <ul style="list-style-type: none">Active participant in MLOps and Mobile Dev (React Native) tracks; solved algorithmic challenges.	Github

HONORS & AWARDS

11/2023	Selected as University Representative Team, SW Talent Festival	Ewha Womans University
05/2023	Excellence Award, Capstone Project Poster Session	Ewha Womans University
02/2023	2nd Place (Excellence Award), SK Telecom AI Tech Academy	SK Telecom
11/2022	3rd Place, SW Start-up Competition	Ewha Womans University