

Hyogon Ryu

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github.com/ugonfor | [Linkedin]

INTERESTS	Model Compression, Generative models, Multimodal models	
EDUCATION	Korea Advanced Institute of Science and Technology (KAIST)	2023.03 - 2025.02
	M.S. in Artificial Intelligence Advisor: Prof. Hyunjung Shim	
	Korea University	2019.03 - 2023.02
	B.S. in Cyber Defense, GPA: 4.07/4.5	
	Korea Science Academy of KAIST	2016.03 - 2019.02
	High school for gifted, Major: Mathematics, Earth Science	
PUBLICATION	Conference	
	DGQ: Distribution-Aware Group Quantization for Text-to-Image Diffusion Models Hyogon Ryu, NaHyeon Park, Hyunjung Shim (Under Review)	
	Memory-Efficient Fine-Tuning for Quantized Diffusion Model Hyogon Ryu, Seohyun Lim, Hyunjung Shim European Conference on Computer Vision (ECCV), 2024	
	Domestic (Korean)	
	Deobfuscation Processing and Deep Learning-Based Detection Method for PowerShell-Based Malware Hojin Jung, Hyogon Ryu, Kyuwhan Jo, Sangkyun Lee Journal of The Korea Institute of Information Security & Cryptology, Vol. 32(3), 2022.06	
WORK EXPERIENCE	Naver Corp.	2022.01 - 2022.02 Remote
	Software Engineer Internship, Dept. of Multimodal Applications Project: Extracting Trivia Sentence from Unstructured Text Data and Search Engine Improvement.	
	AI Research Lab, Korea University	2021.01 - 2021.12
	Undergraduate Research Student (Adviser: Sangkyun Lee) Project: Energy Backdoor Attacks on Deep Learning Models	
HONORS & AWARD	AI Competition	
	<ul style="list-style-type: none">CLOVA AI RUSH, NAVER #2 on Round1, #4 on Round2 - Individual [News], 2021 Project: Abusing Detection through Keyboard and Mouse Records (1R) Document classification for recommending UGC (User-Generated Content) in Naver Main (2R)Cyber Security AI Bigdata Challenge #2 on Final - Team. 톤스캡 [News], 2021 Project: Malicious Powershell Detection based on AI, Team Leader	
	Capture the Flag (Security Competition, Selected)	
	<ul style="list-style-type: none">SECCON CTF #4 - Team. Korean [Scoreboard], 2022CODEGATE CTF Univ. #8 on Final - Team. roKyC [News], 2022DEFCON CTF #26 on Qual - Team. K-Students [Scoreboard] [News], 2021	

- **WCTF Belluminar China** | #8 on Final - Team. CyKor [News], 2020
- **DEFCON CTF** | #8 on Final - Team. CyKor [Scoreboard] [News], 2020
- **CODEGATE CTF univ.** | #6 on Final - Team. CyBie [News], 2020

EXTRA CURRICULAR ACTIVITIES	E*5 KAIST , Startup competition of KAIST.	2024.03 - 2024.06
	Leader of Team. Inpro, Developed an AI-based community monitoring solution and attempted business by contacting entertainment agencies, police departments, and government.	
	Whitehat School , Training program for white hacker junior of KITRI Instructor, lecture on Secure-Coding, AI4Security.	2024.02 - Current
	Global Cybersecurity Camp(GCC) Singapore , International cybersecurity camp Representative student of South Korea, Conducted technology sharing sessions with international students.	2023.02
	Deepest , Deep learning research group of Seoul National University. Member of Group, Shared research papers weekly and conducted projects Project: Stock price prediction using deep learning	2021.09 - 2022.08
	CyKor , Cyber security research team of Korea University. Vice President in 2021, Conducted research on information security and participate security competitions (CTF).	2019.09 - 2023.02
	Best of the Best , Next-generation security leader training program of KITRI Alumni of Vulnerability Analysis Track 9th. Project: Developing a Fuzzer for Finding Vulnerability Triggered by URI Scheme.	2020.07 - 2021.03

Last Update: 2025.01.01