

Hyochan Chong

<https://d7chong.github.io> | d7chong@gmail.com

INDUSTRY EXPERIENCE	Samsung Research at Samsung Electronics	Seoul, Korea
	<i>Research Engineer</i>	02/2025 – Present
	Samsung Research at Samsung Electronics	Seoul, Korea
	<i>Software Engineer Intern</i>	07/2024 – 08/2024
	GoLe Robotics	Seoul, Korea
	<i>Software Engineer Intern</i>	04/2024 – 06/2024
RESEARCH EXPERIENCE	Sungkyunkwan University (SKKU)	Suwon, Korea
	<i>Research Intern (Advisor: Professor Jong Hwan Ko)</i>	08/2024 – 02/2025
	KAIST Graduate School of AI	Seoul, Korea
	<i>Research Intern (Advisor: Professor Joseph J. Lim)</i>	01/2024 – 03/2024
	Sungkyunkwan University (SKKU)	Suwon, Korea
	<i>Research Intern (Advisor: Professor Hyungpil Moon)</i>	06/2023 – 12/2023
EDUCATION	Sungkyunkwan University (SKKU)	Suwon, Korea
	B.S. in Artificial Intelligence & Mechanical Engineering (double major)	2019 – 2025
PROJECTS	furiosa-warboy-inference	
	Optimized computer vision inference pipelines for Furiosa AI's 1st generation neural processing unit (NPU), Warboy (work done for the National AI Chip Challenge)	
	ptmq-pytorch	
	First open-source implementation of <i>PTMQ: Post-training Multi-Bit Quantization of Neural Networks</i> (Xu et al., AAAI 2024)	
	rirl-pytorch	
	Pytorch implementation of <i>Reward-Induced Representation Learning</i> (Jain et al., 2020)	
HONORS & AWARDS	1st place (Server Track and Overall), AI Chip Challenge (\$28,000 cash prize)	2024
	Academic Excellence Scholarship, SKKU	2024
	Dean's List, SKKU	2024
	United Nations Medal	2022
	Peacekeeping Operations Medal, Korea Ministry of Defense	2022
LANGUAGE PROFICIENCY	Bilingual in English (Native) and Korean (Native)	
	• TOEFL 119/120 (Reading 29/30, Writing 30/30, Listening 30/30, Speaking 30/30) • GRE 331/340 (Quantitative 170/170, Verbal 161/170, Writing 5.5/6.0)	
SERVICE	Served as reviewer for IEEE Robotics and Automation Letters (RA-L)	
OTHER EXPERIENCE	United Nations Peacekeeping	South Sudan
	<i>Military Interpreter (Civil-Military Cooperation)</i>	08/2021 – 04/2022
	Republic of Korea Army	South Korea
	<i>Sergeant (honorably discharged, for US+Korea dual citizenship)</i>	01/2021 – 07/2022