Hyochan Chong

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INDUSTRY EXPERIENCE	**Samsung Research**, South Korea *Research Engineer*	Feb 2025 – Future
	Samsung Research, South Korea *Software Engineer Intern*	July 2024 – Aug 2024
	GoLe Robotics, South Korea *Software Engineer Intern*	Apr 2024 – June 2024
RESEARCH EXPERIENCE	**IRIS Lab**, **SKKU**, South Korea *Research Intern (Advisor: Professor Jong Hwan Ko)*	Aug 2024 – Present
	CLVR Lab, **KAIST Graduate School of AI**, South Korea *Research Intern (Advisor: Professor Joseph J. Lim)*	Jan 2024 – Mar 2024
	RISE Lab, **SKKU**, South Korea *Research Intern (Advisor: Professor Hyungpil Moon)*	June 2023 – Dec 2023
EDUCATION	**Sungkyunkwan University (SKKU)** Bachelor of Science in Artificial Intelligence and Mechanical Engineering	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 AI Chip Challenge)

ptmq-pytorch
First open-source implementation of *PTMQ: Post-training Multi-Bit Quantization of Neural Networks (Xu et al., AAAI 2024)*

rirl-pytorch
Pytorch implementation of *Reward-Induced Representation Learning (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 *Military Interpreter (Civil-Military Cooperation Team)*	Aug 2021 – Apr 2022
	Republic of Korea Army, South Korea *Sergeant (honorably discharged, for US+Korea dual citizenship)*	Jan 2021 – July 2022