Hyunsik Chae

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Education

BS	**Seoul National University**, Mathematics	Mar 2016 – Feb 2023

- Served for 24 months in an alternative military service

MS	**Seoul National University**, Mathematics	Mar 2023 – Feb 2025

- Advised by Prof. Ernest K. Ryu

Publications

Decomposing Complex Visual Comprehension into Atomic Visual Skills for Vision Language Models　　　Oct 2024

Hyunsik Chae, Seungwoo Yoon, Chloe Yewon Chun, Gyehun Go, Yongin Cho, Gyeongmin Lee, Ernest K. Ryu

[4th MATH-AI Workshop at NeurIPS'24 ↗](#)

Encryption-Friendly LLM Architecture　　　Sep 2024

Donghwan Rho, Taeseong Kim, Minje Park, Jung Woo Kim, Hyunsik Chae, Jung Hee Cheon, Ernest K. Ryu

[Preprint ↗](#)

Programming Skills

Tensorflow Developers Certificate	2022
**IBM Qiskit Summer School	Quantum Machine Learning, Excellence Certificate**	2021

Teaching Experience (TA)

Calculus 1	Spring 2023
Linear Algebra	Fall 2023
Mathematical Foundations of Deep Neural Networks (English)	Spring 2024
Calculus Practice 2 (English)	Fall 2024

Language

Native in Korean, fluent in English