

INKWAN HWANG

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Research Interest

Large Language Models Large-scale Pruning, Long-range Context Models, Applications to Robotics

Education

Pohang University of Science and Technology (POSTECH)

Pohang, South Korea

B.S. in Computer Science and Engineering (GPA: 3.91/4.30)

Feb 2021 – Present

- Expected to graduate in Feb 2025 after *completing 7 semesters*

Selected course: Efficient Machine Learning Systems, Artificial Intelligence, Applied Linear Algebra, Probability & Statistics

Research & Work Experience

Efficient Learning Lab, POSTECH

Pohang, South Korea

Intern, Advised by Prof. Jaeho Lee

Nov 2023 – Present

- Working on post training quantization and Hessian-based pruning
- Applied Hessian-based pruning method, SparseGPT to Mamba

Efficient Computing Lab, POSTECH

Pohang, South Korea

Intern, Advised by Prof. Eunhyeok Park

Jan 2023 – Feb 2023

- Studied about quantization aware training

Samsung Electronics

Hwasung, South Korea

Research Intern, Mentored by Ph.D. Hyun-Kyo Oh

July 2022 – Aug 2022

- Quantized ML Defense Code for NAND Flash Memory enabling it to be compatible with compact chip
- Participated in Samsung Talented Internship Program (STIP)

Honors and Awards

POSTECH-KAIST Science War: Science Quiz (Computer Science Division)

2nd Place, School representative in university rivalry

July 2023

Global Leadership Program

5th Place, out of 78 students in Computer Science and Engineering

Aug 2022

Extracurricular Activities

POSTECH Freshman Mentoring Program

Mentor

Feb 2024 – June 2024

- Served as mentor in *Programming & Problem Solving*

Technical Skills

Programming skills C/C++, Python, Verilog

Deep Learning Pytorch