# Soon Ho, Choi

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## Research Interests

#Logic Gate Neural Network #Machine Learning #Deep Learning #Reinforcement Learning #Efficient Neural Network

## Education

**Kookmin University, Seoul, South Korea** *August 2023 — August 2025*
**Master of Engineering in Artificial Intelligence**

**Handong Global University, Pohang, South Korea** *March 2010 — August 2019*
**Bachelor of Engineering in Computer Science**

## Academic Experience

**MENSA Korea Developer Study** *2024 — Present*
**Member**

## Projects

**Operand Selectiive Logic Gate Neural Networks** *2025 - present*
Github link
Description : Made Logic Gate Neural Network into Operand Selection problem using NAND or NOR gates.

**Binarization of ternary neural network** *2025*
Github link
Description : Binarized ternary model to make it fit to binary system

**Comparing accuracy of ternary neural networks in small models** *2024*
Github link
Description : Compared accuracy of ternarized models.

## Publications

**Conference proceeding**

[1] Choi Soon Ho, Soo-Yeon Yoon. (2024-06-19). Comparing accuracy of sign-quantized layers with linear layer in small models. Proceedings of Symposium of the Korean Institute of communications and Information Sciences, Jeju.