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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

Mo-Gae-Forest, 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.