Team Meeting

22 OCTOBER 2021

# Agenda

## Last Meeting Follow-up

1. Connectivity problems persist after fresh install of the SDK packages
2. Next step is to use fresh install with a unmodified board

## Quantization-Aware Training

1. Non Quantization-Aware Trained model requires BatchNorm Fusing
2. One model was created using QAT (Quantization-Aware Training)

## Model Evaluation

1. Trained two nearly identical models
2. One is trained with QAT and other is not
3. Goal is to evaluate the performance effect of QAT

## Network Loader (ai8ize)

1. YAML file created: description of the file used to create the C code
2. Purpose of the YAML network description is to describe the structure and manage processors

# Question

1. For the network loader we require a sample input, for the sample input we are able to use either randomly generated images or images from our training data but we do not know the impact of either option, do you have any advice on what we should use for the sample input?

# Next Meeting Agenda

1. Plan on running model evaluation tests to visualize performance of different models.
2. Create the programmable C code and attempt to upload to a board that we haven’t used yet.