

saved_models\transformer_normalized_after_relative_w1000ms.pth Training Report

Total Training Time: 389.11 seconds

Total Inference Time: 0.27 seconds

Train time per epoch: 15.56 seconds

Test Loss: 0.1750

Test Accuracy: 95.09%

Model Size: 7.02 MB

Configuration and Hyperparameters

Data Paths:

Data Directory: data\2024-11-24T10_13_28_d300sec_w1000ms
Training Data File: data\2024-11-24T10_13_28_d300sec_w1000ms\training.csv
Test Data File: data\2024-11-24T10_13_28_d300sec_w1000ms\testing.csv
Model Save Path: saved_models\transformer_normalized_after_relative_w1000ms.pth
PDF Report Path: run_reports\transformer_normalized_after_relative_w1000ms.pdf

Basic Config:

num_features: 72
window_size: 60
num_classes: 5
batch_size: 32
num_epochs: 25
learning_rate: 0.001
validation_split: 0.2

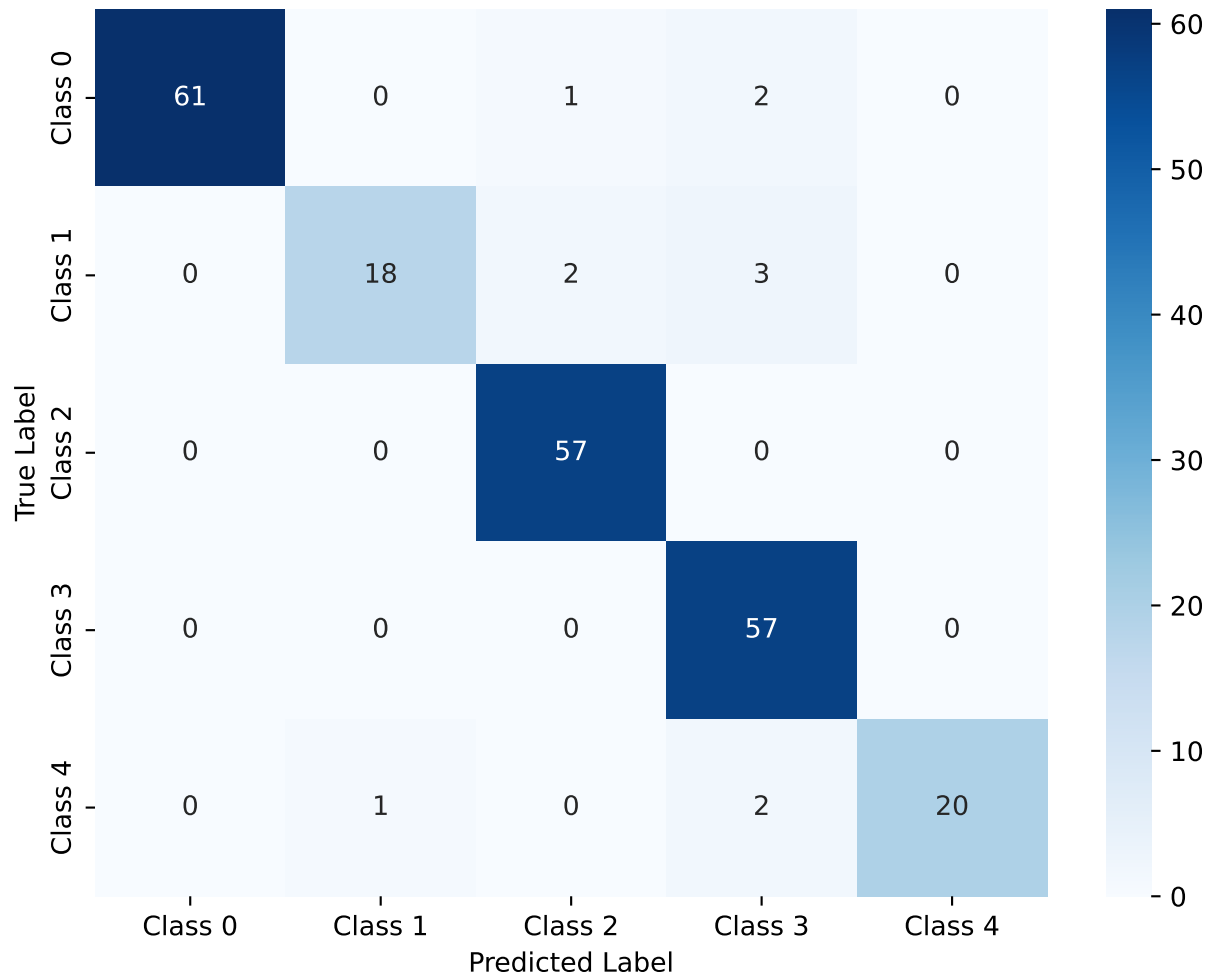
Transformer Hyperparameters:

d_model: 128
num_heads: 4
num_layers: 2
dropout: 0.1

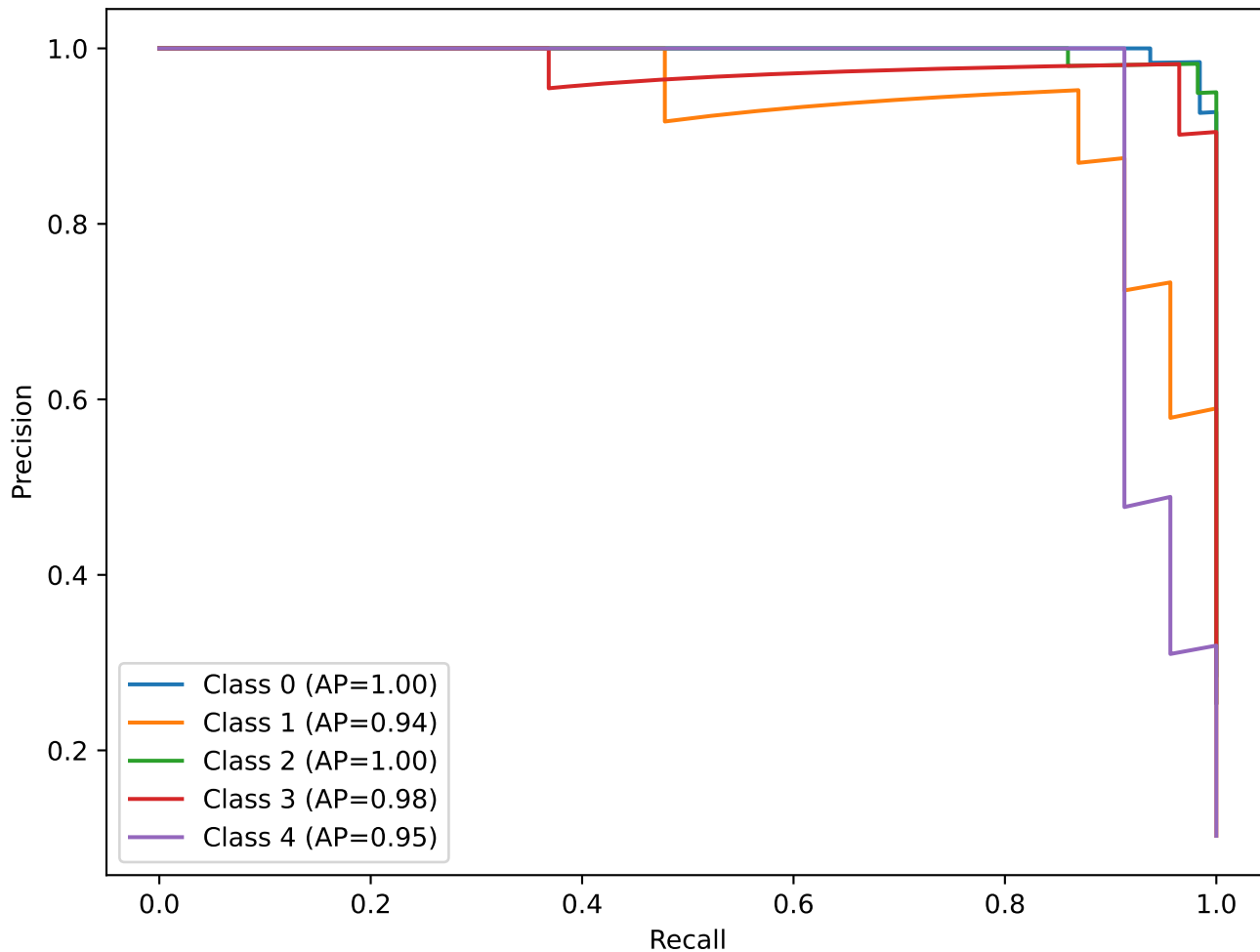
Classification Report

	precision	recall	f1-score	support
Class 0	1.00	0.95	0.98	64
Class 1	0.95	0.78	0.86	23
Class 2	0.95	1.00	0.97	57
Class 3	0.89	1.00	0.94	57
Class 4	1.00	0.87	0.93	23
accuracy			0.95	224
macro avg	0.96	0.92	0.94	224
weighted avg	0.95	0.95	0.95	224

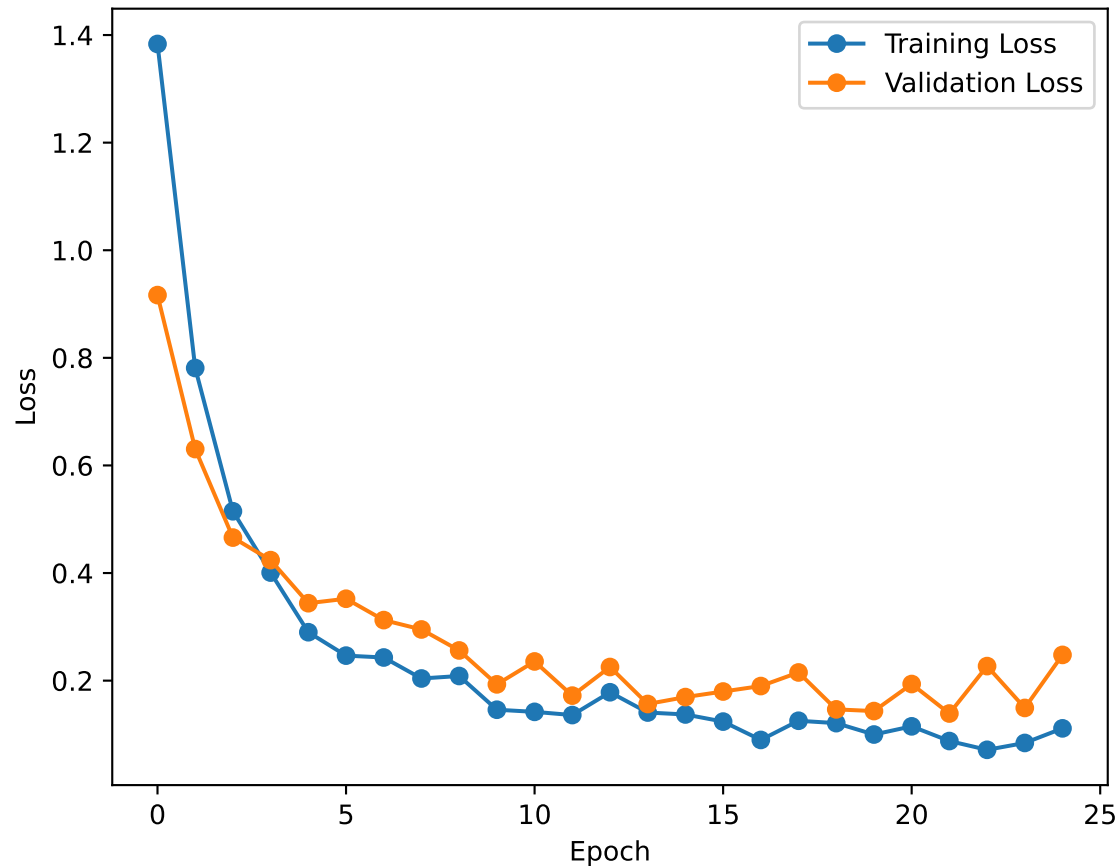
Confusion Matrix



Precision-Recall Curves



Loss Curve



Accuracy Curve

