```
Train Dataloader - 176
Test Dataloader - 45
Device Used - cuda
Model Used - CNN_3D
Key Frame Extraction - True
Key Frame Extraction Algorithm - Optical Flow
Feature Extraction - True
Background Subtraction - True
Background Subtraction Algorithm - GMG
Data Augmentation - False
Spatial Temporal Loss - False
Frame rate adjusted dataset - False
Window Length = 8
Stride = 1
Fair Comparison = True
Dropout = 0.25
Learning Rate = 0.0002
Num Epochs = 20
Chunk Size = 64
Forward Chunk Size = 8
Loss Fn = BCELoss()
Training has Begun
epoch [1/20], loss:0.6931
epoch [2/20], loss:0.6931
epoch [3/20], loss:0.6931
epoch [4/20], loss:0.6931
epoch [5/20], loss:0.6931
epoch [6/20], loss:0.6931
epoch [7/20], loss:0.6931
epoch [8/20], loss:0.6931
epoch [9/20], loss:0.6931
epoch [10/20], loss:0.6931
epoch [11/20], loss:0.6931
epoch [12/20], loss:0.6931
epoch [13/20], loss:0.6931
epoch [14/20], loss:0.6931
epoch [15/20], loss:0.6931
epoch [16/20], loss:0.6931
epoch [17/20], loss:0.6931
epoch [18/20], loss:0.6931
epoch [19/20], loss:0.6931
epoch [20/20], loss:0.6931
Training has Completed
Forward pass occuring
Forward pass completed
ONI IR T 2024-04-29-07-43-38
```

c:\Users\sivas\Desktop\Fall-Detection\FYP-Human-Fall-Detection\Code\functions.py:478: Runtime
Warning: invalid value encountered in scalar divide
 std_Precision = std_tp / (std_tp + std_fp)

STD Global Classification Results
TPR 0.000, FPR 0.000, Precision nan, Recall 0.000
tn 23575, fp 0, fn 1162, tp 0
std_AUROC 0.500

```
c:\Users\sivas\Desktop\Fall-Detection\FYP-Human-Fall-Detection\Code\functions.py:513: Runtime
Warning: invalid value encountered in scalar divide
  Precision = tp / (tp + fp)
c:\Users\sivas\anaconda3\envs\fyp base paper 2\lib\site-packages\sklearn\metrics\ ranking.py:
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c:\Users\sivas\anaconda3\envs\fyp base paper 2\lib\site-packages\sklearn\metrics\ ranking.py:
1123: UndefinedMetricWarning: No negative samples in y_true, false positive value should be m
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c:\Users\sivas\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.py:
1123: UndefinedMetricWarning: No negative samples in y_true, false positive value should be m
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1123: UndefinedMetricWarning: No negative samples in y true, false positive value should be m
eaningless
  warnings.warn(
c:\Users\sivas\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.py:
```

```
1132: UndefinedMetricWarning: No positive samples in y true, true positive value should be me
  warnings.warn(
c:\Users\sivas\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.py:
979: UserWarning: No positive class found in y true, recall is set to one for all thresholds.
  warnings.warn(
c:\Users\sivas\anaconda3\envs\fyp_base_paper_2\lib\site-packages\sklearn\metrics\_ranking.py:
1132: UndefinedMetricWarning: No positive samples in y_true, true positive value should be me
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1123: UndefinedMetricWarning: No negative samples in y_true, false positive value should be m
eaningless
  warnings.warn(
c:\Users\sivas\Desktop\Fall-Detection\FYP-Human-Fall-Detection\Code\functions.py:302: Runtime
Warning: Mean of empty slice
 final performance mean = np.nanmean(video metrics, axis=0) # get the mean performance acro
ss all videos
c:\Users\sivas\anaconda3\envs\fyp_base_paper_2\lib\site-packages\numpy\lib\nanfunctions.py:18
72: RuntimeWarning: Degrees of freedom <= 0 for slice.
  var = nanvar(a, axis=axis, dtype=dtype, out=out, ddof=ddof,
Mean Global Classification Results
TPR 0.000, FPR 0.000, Precision nan, Recall 0.000
```

tn 23575, fp 0, fn 1162, tp 0 mean AUROC 0.500

file:///C:/Users/sivas/Desktop/Fall-Detection/FYP-Human-Fall-Detection/Output/Jupyter_PDF_Output/CNN_3D/single_modality.html

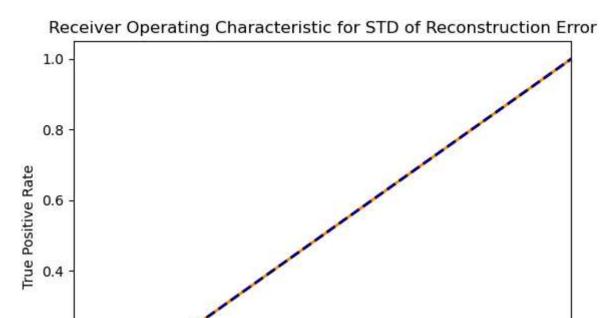
4/29/24, 8:27 AM single_modality

0.2

0.0

0.0

0.2



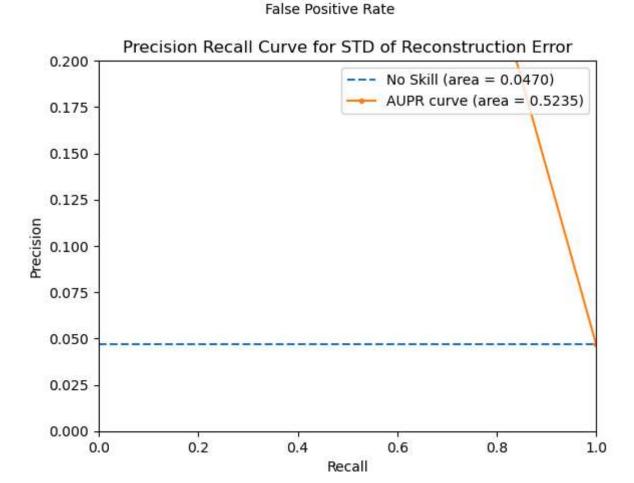
0.4

ROC curve (area = 0.5000)

0.8

1.0

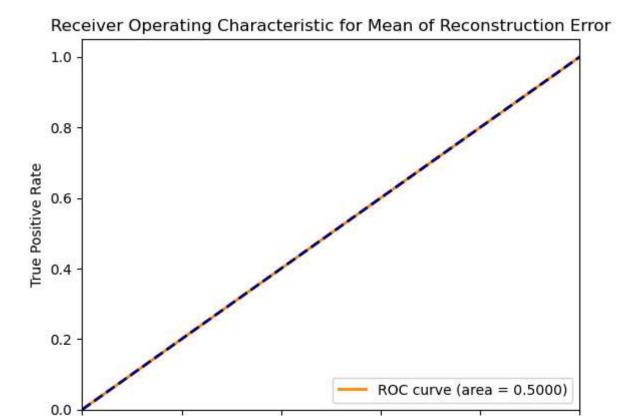
0.6



4/29/24, 8:27 AM single_modality

0.2

0.0



0.4

0.6

0.8

1.0

