Gated Recurrent Unit (GRU) model MSE: 1615.5480, R<sup>2</sup>: -0.0676 CPU Predictions (RMSE: 0.1978, R2: 0.1347) 0.2 0.4 0.6 0.8 1.0 1.2 Real CPU Usage Memory Predictions (RMSE: 0.0228, R2: -0.4502) Prediction vs Real Memory 0.78 0.80 0.82 0.74 0.76 0.84 Real Memory Usage Throughput Predictions (MSE: 2798.2111, R2: 0.1127) Prediction vs Real Throughput Throughput reference line 5000 7500 10000 12500 15000 17500

Real Throughput Usage

1.25

1.00

0.75

0.50

0.25

Predicted Memory Usage 0.825 0.800 0.775 0.750 0.725

Predicted Throughput
0 0000 00001

0.0

Predicted CPU Usage

Prediction vs Real CPU

Memory reference line

2500

0.72

CPU reference line