Gated Recurrent Unit (GRU) model MSE: 1725.8486, R<sup>2</sup>: 0.1000 CPU Predictions (RMSE: 0.2073, R2: 0.1936) 0.4 0.6 0.8 1.0 1.2 Real CPU Usage Memory Predictions (RMSE: 0.0246, R2: -0.1043) Prediction vs Real Memory 0.750 0.775 0.800 0.825 0.850 0.875 0.900 Real Memory Usage Throughput Predictions (MSE: 2989.2575, R<sup>2</sup>: 0.2108) Prediction vs Real Throughput

12500

15000

17500

7500

5000

10000

Real Throughput Usage

1.25

1.00

0.75

0.50

0.25

Predicted Memory Usage 0.00 0.80 0.75

15000

10000

5000

Predicted Throughput

0.0

Predicted CPU Usage

Prediction vs Real CPU

Memory reference line

0.725

Throughput reference line

2500

0.2

CPU reference line