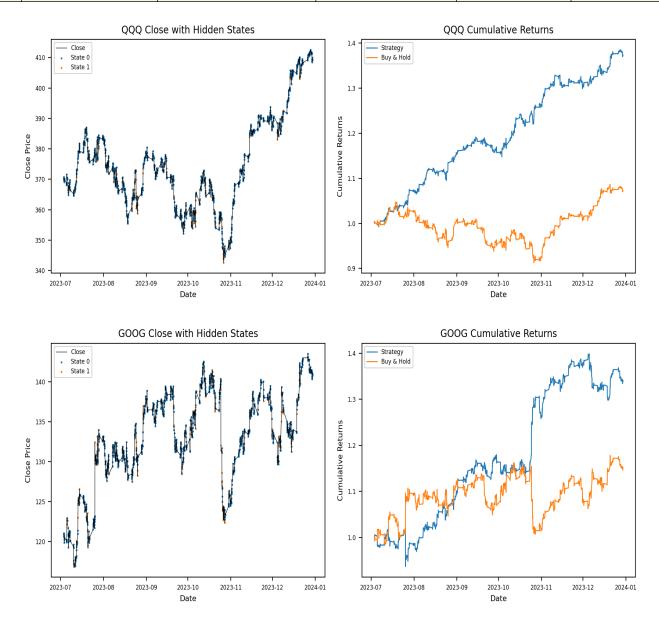
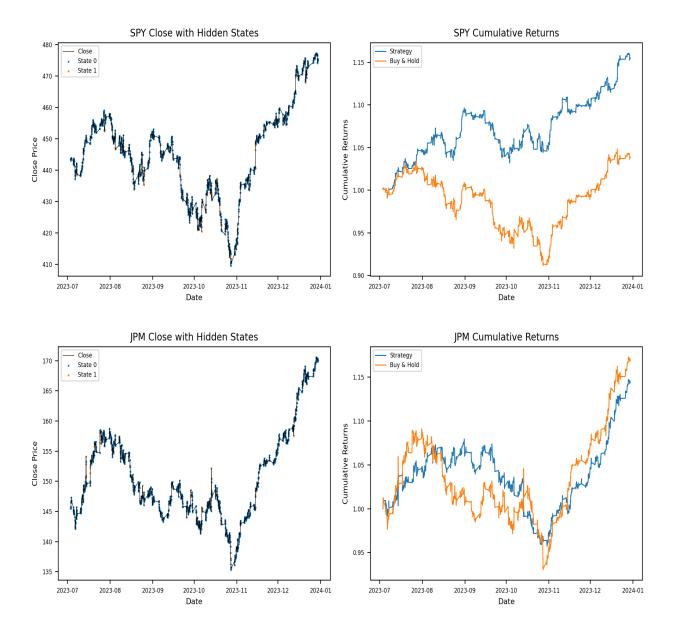
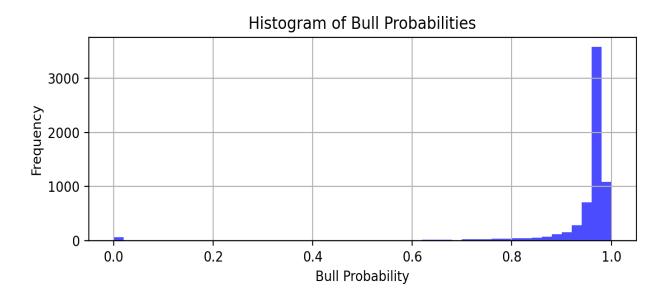
Individual HMM Model Performance Report

Ticker	Strategy Return	Buy & Hold Return	Outperformance	Sharpe Ratio	Max Drawdown
QQQ	37.15%	7.14%	30.01%	26.55	-3.72%
GOOG	33.90%	15.01%	18.89%	12.38	-8.21%
SPY	15.49%	3.83%	11.66%	11.96	-5.86%
JPM	14.38%	16.91%	-2.53%	7.17	-11.33%

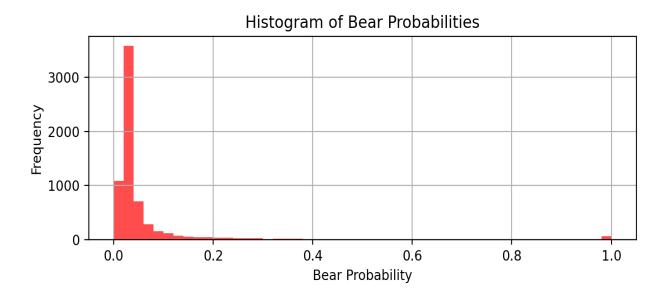




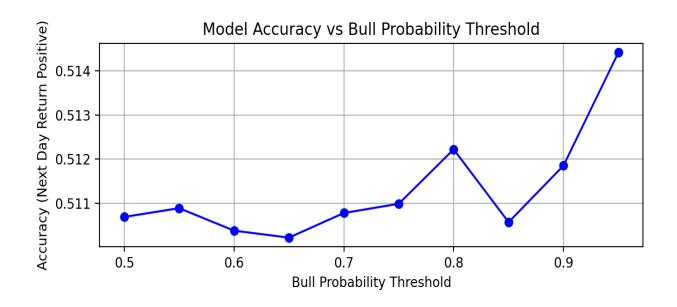
Histogram of Bull Probabilities



Histogram of Bear Probabilities



Model Accuracy vs Bull Probability Threshold



Model Accuracy vs Bear Probability Threshold

