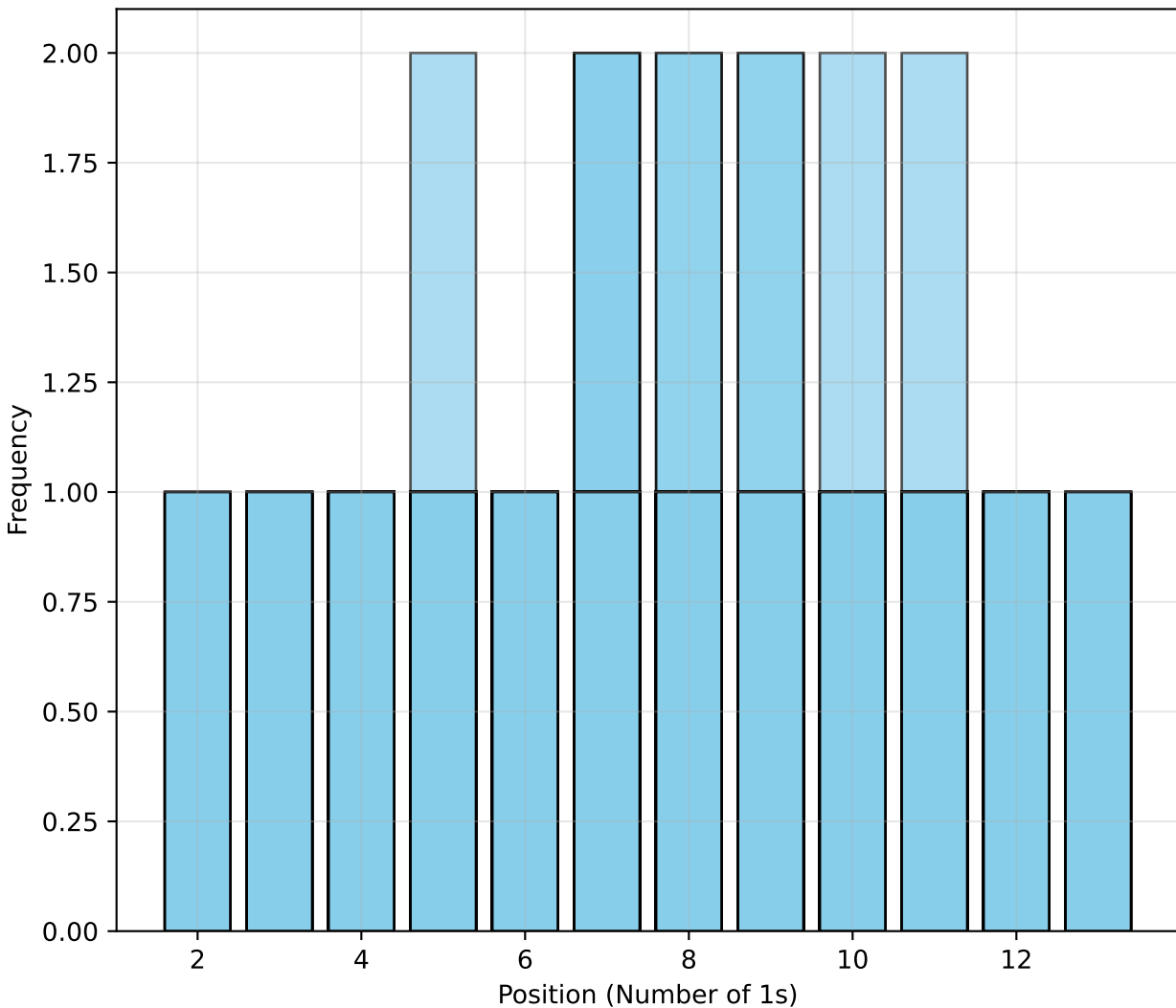
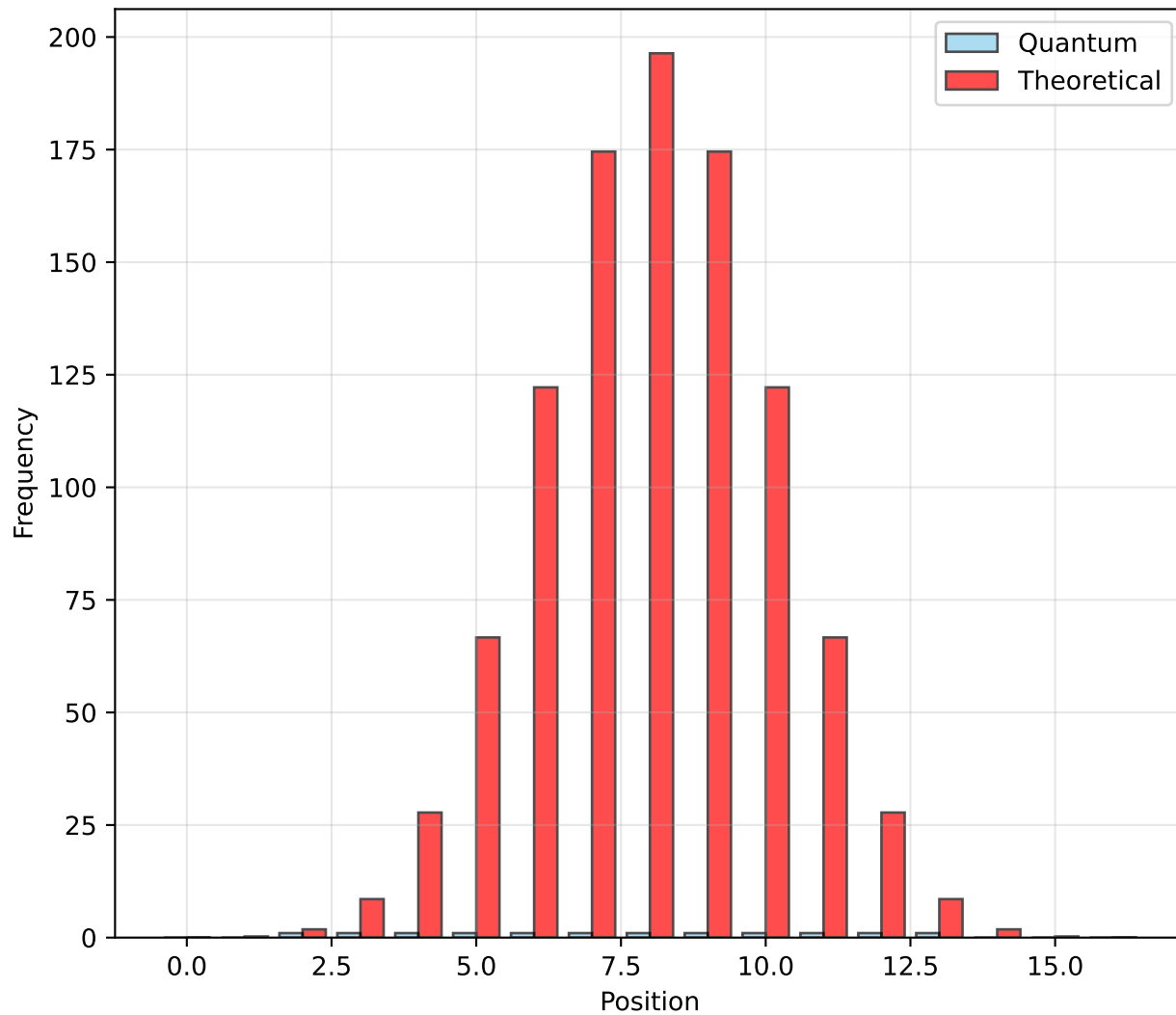


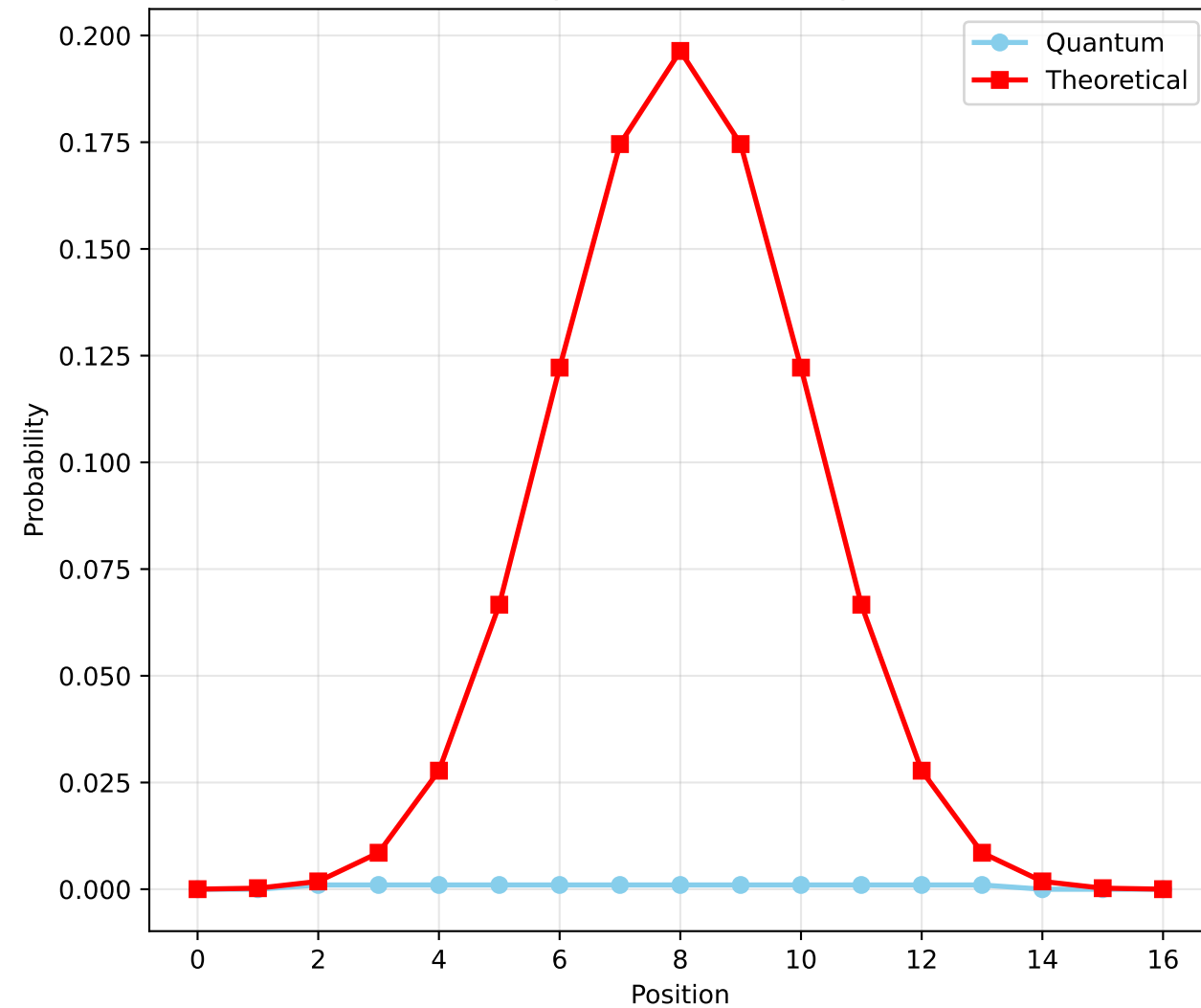
Quantum Simulation Results
(Shots: 1000)



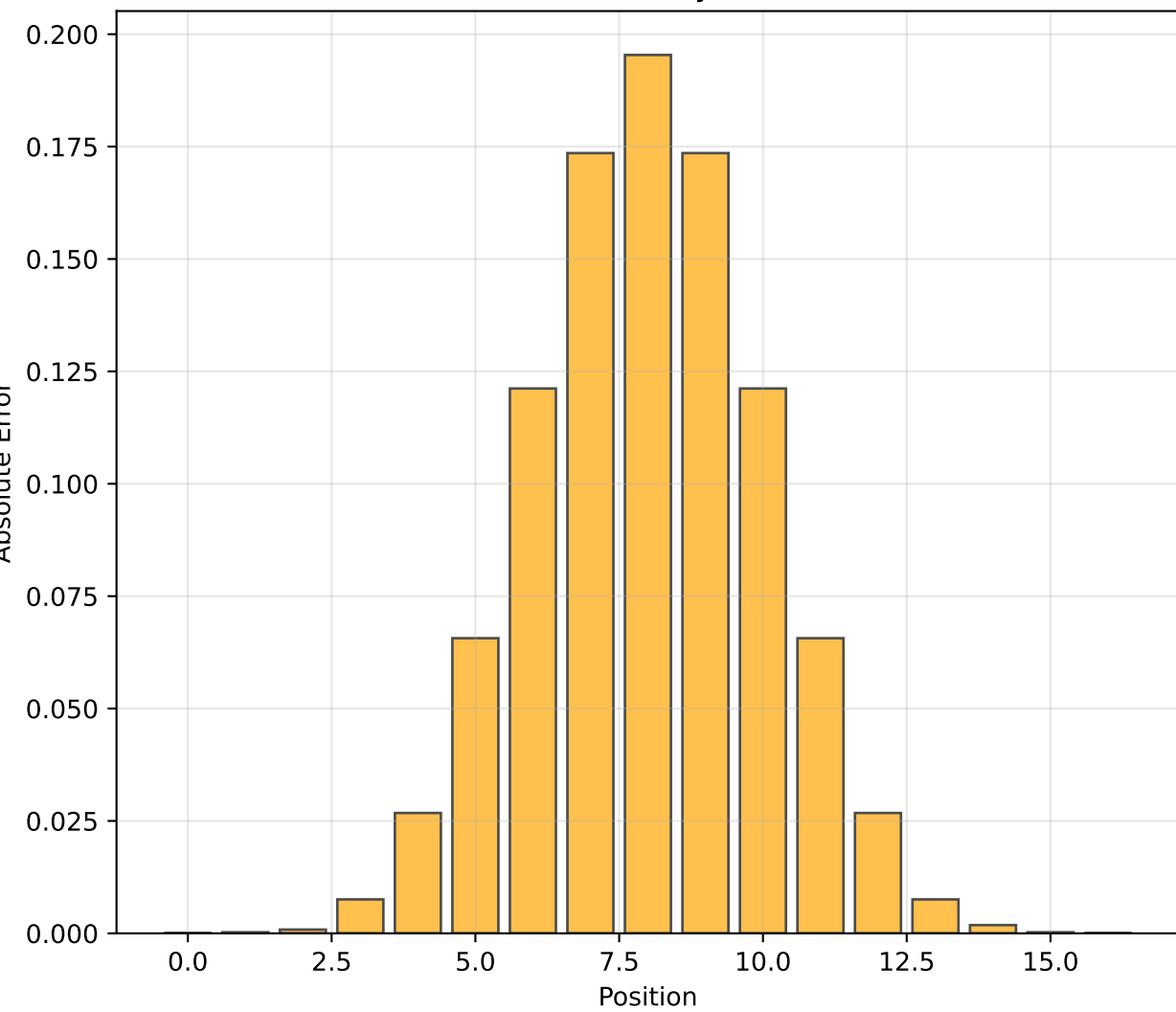
Quantum vs Theoretical Distribution



Probability Distribution Comparison



Error Analysis



Statistics Summary:

Total Shots: 1000
Mean Position: 8.038
Theoretical Mean: 8.000
Variance: 3.585
Standard Deviation: 1.893
Theoretical Std Dev: 2.000

Bias Parameter: 0.5
Number of Levels: 16

Quantum Circuit Info:

Number of Qubits: 16
Circuit Depth: 16
Bias Parameter: 0.5

Circuit Operations:
- RY gates for bias
- CX gates for entanglement
- RZ gates for phase
- Measurement