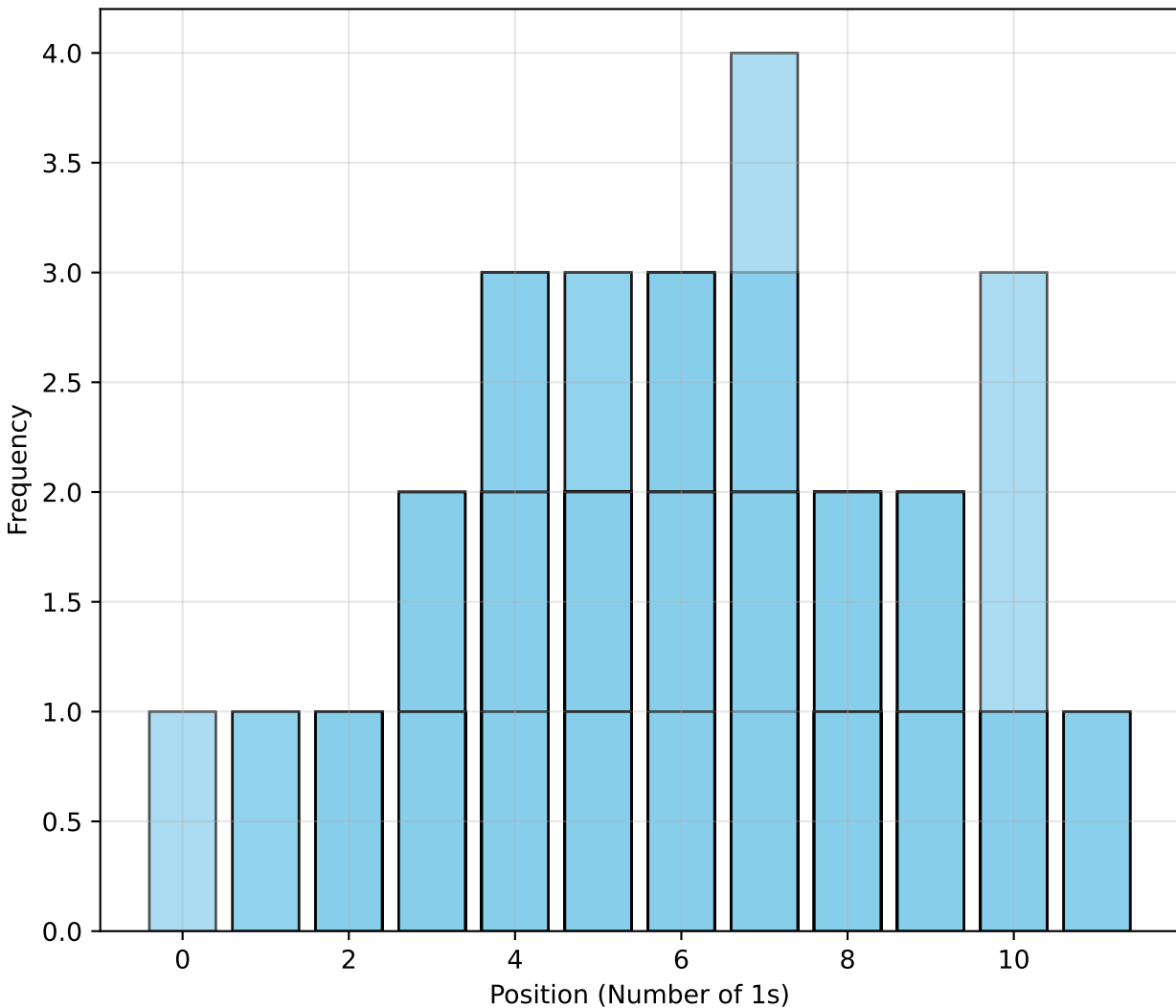
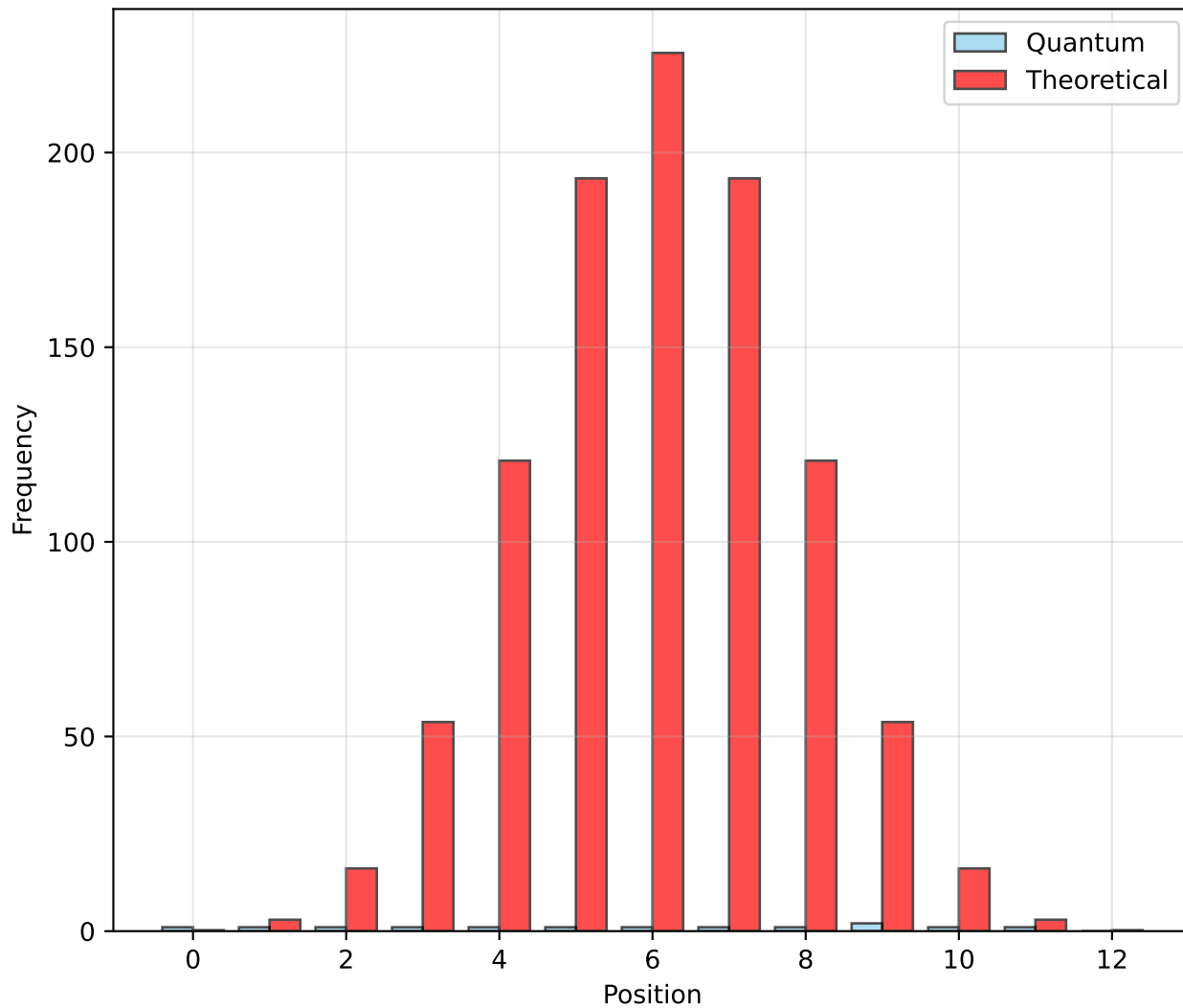


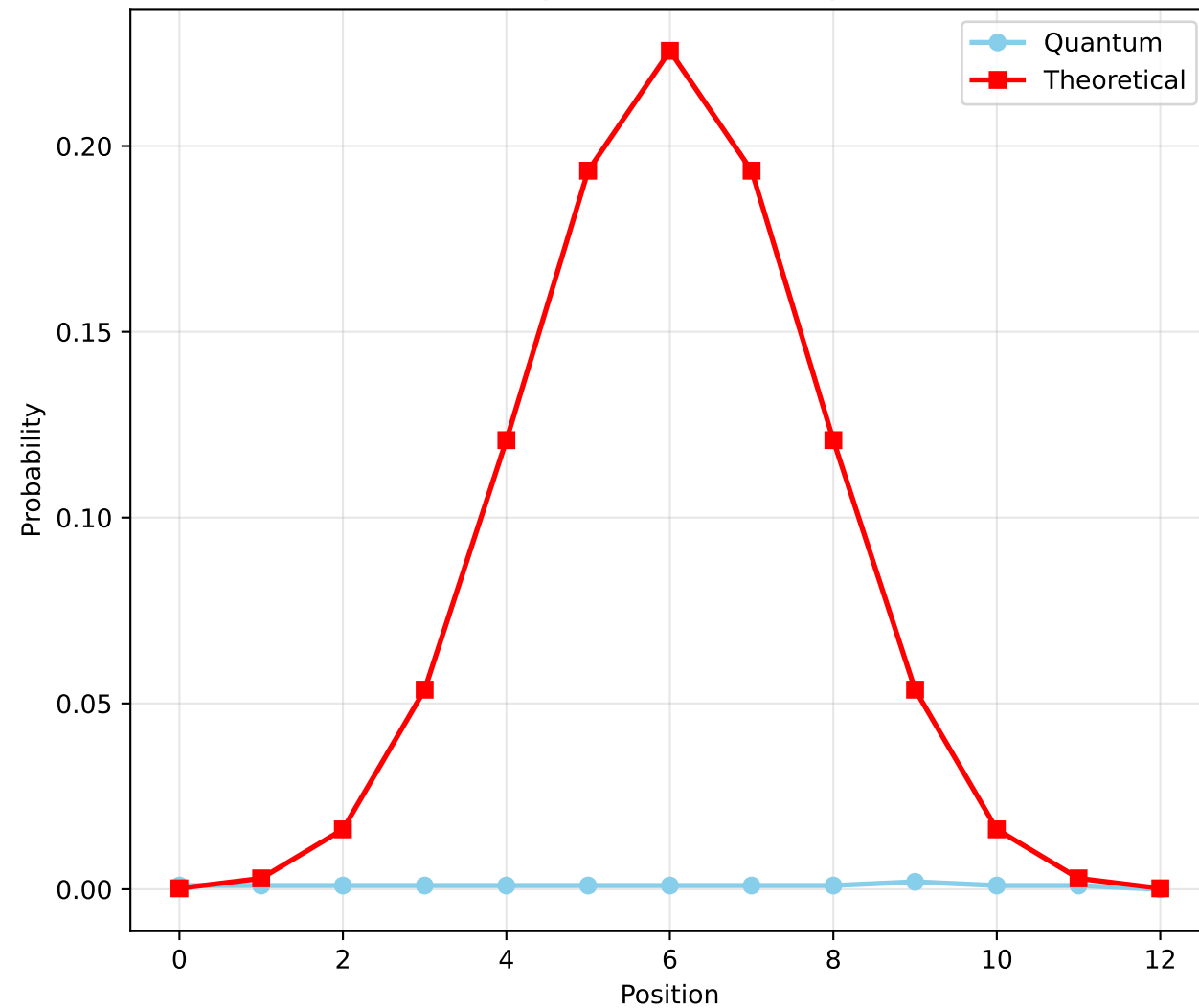
Quantum Simulation Results
(Shots: 1000)



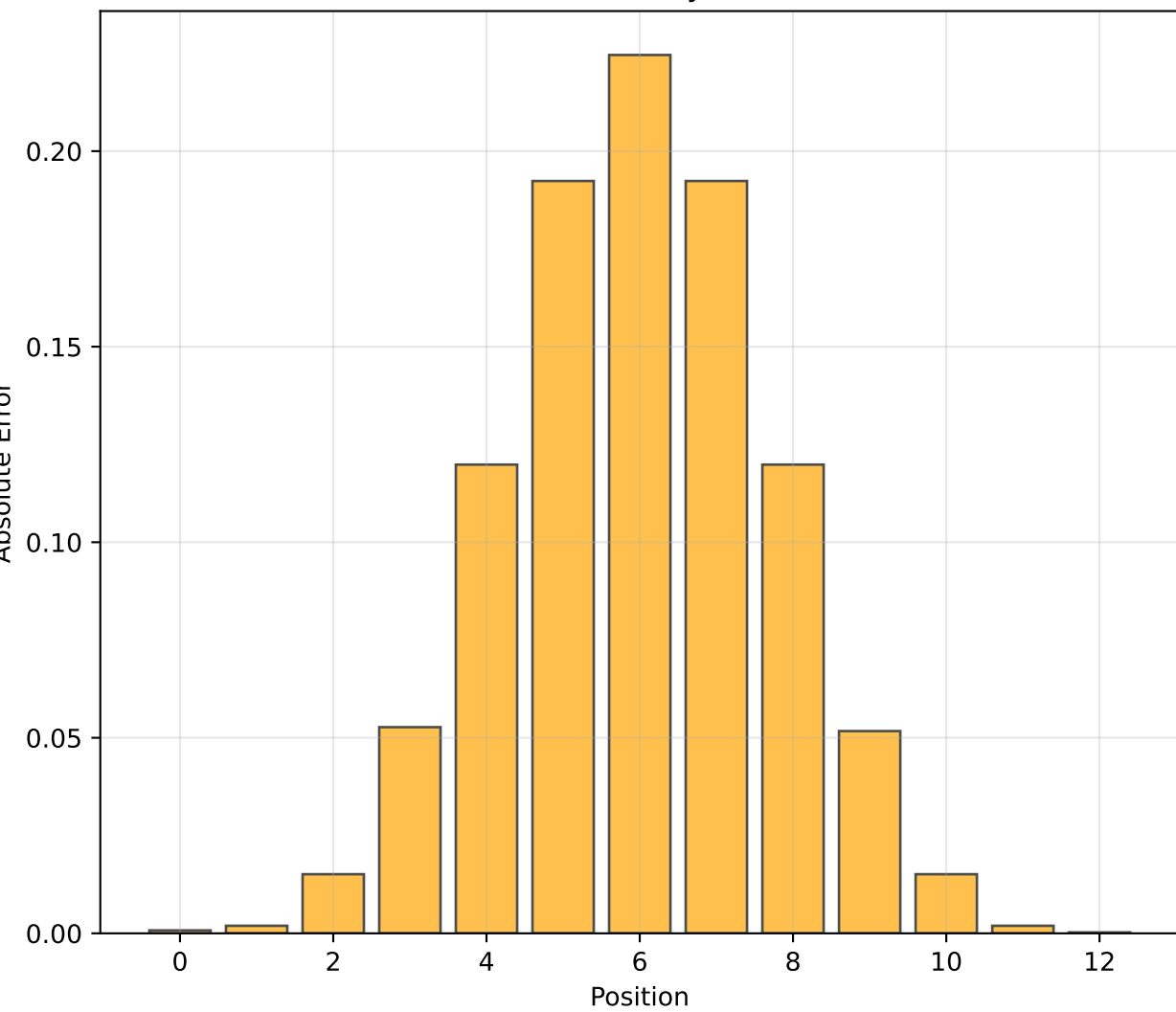
Quantum vs Theoretical Distribution



Probability Distribution Comparison



Error Analysis



Statistics Summary:

Total Shots: 1000
Mean Position: 5.948
Theoretical Mean: 6.000
Variance: 3.011
Standard Deviation: 1.735
Theoretical Std Dev: 1.732

Bias Parameter: 0.5
Number of Levels: 12

Quantum Circuit Info:

Number of Qubits: 12
Circuit Depth: 12
Bias Parameter: 0.5

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