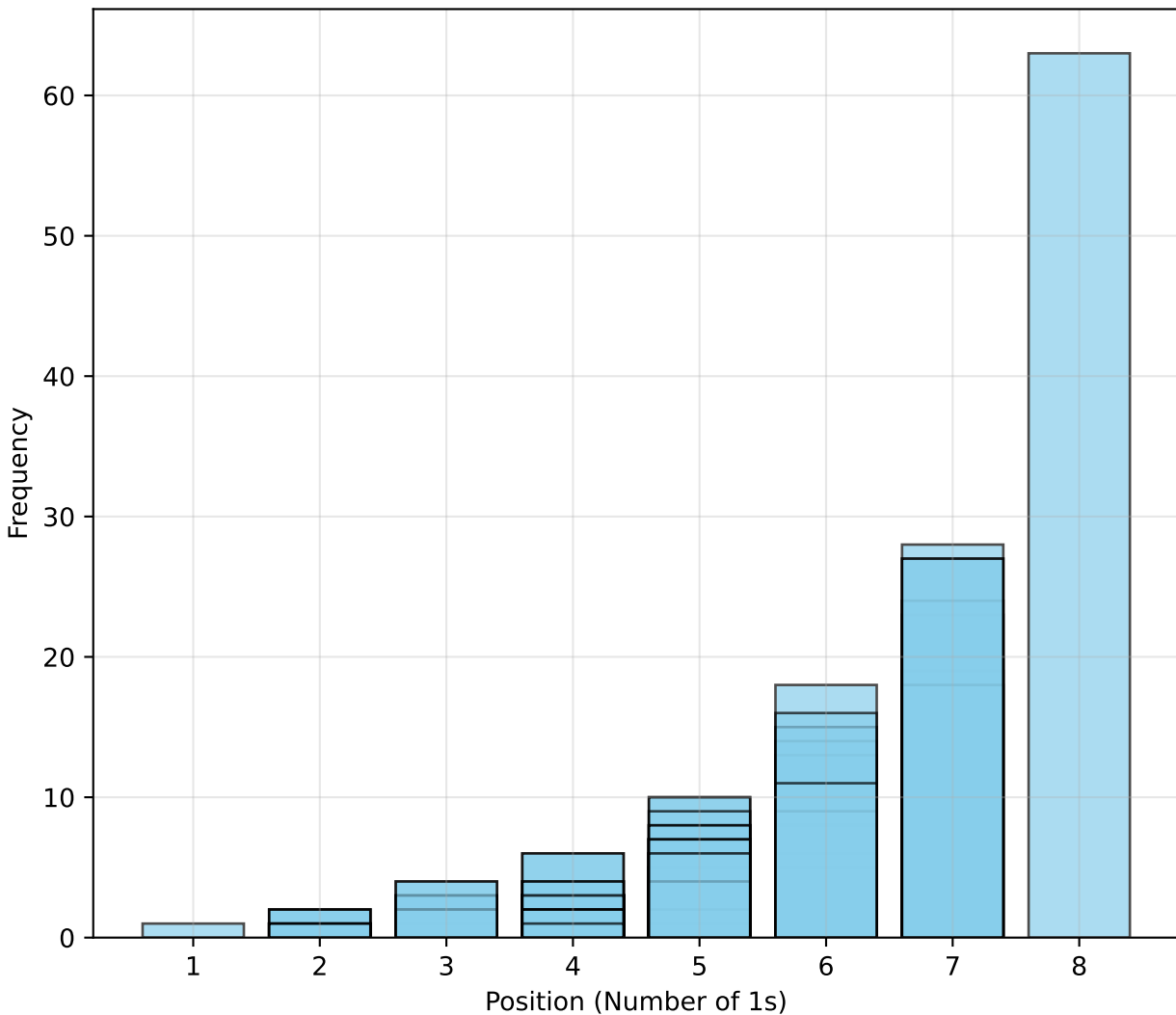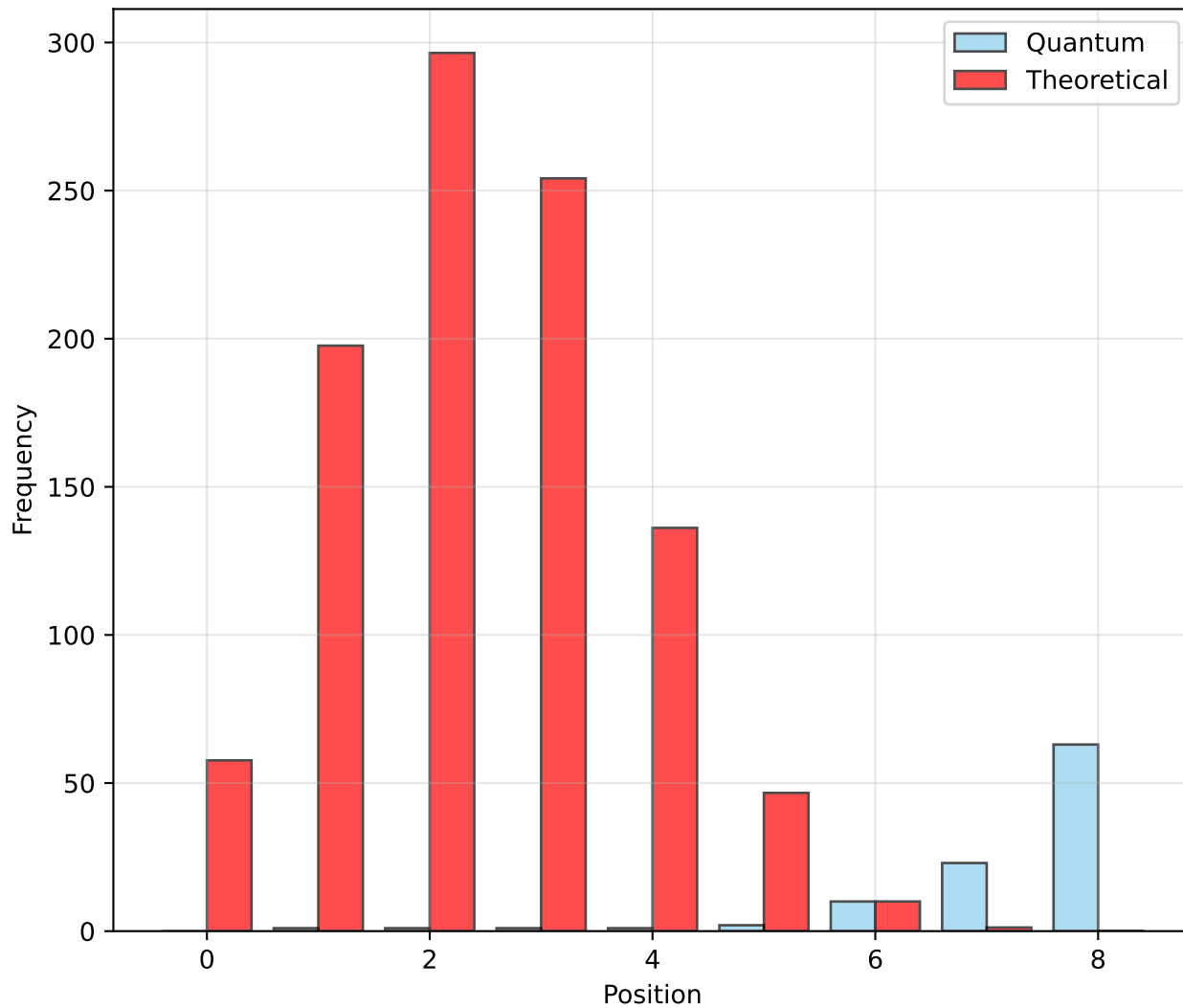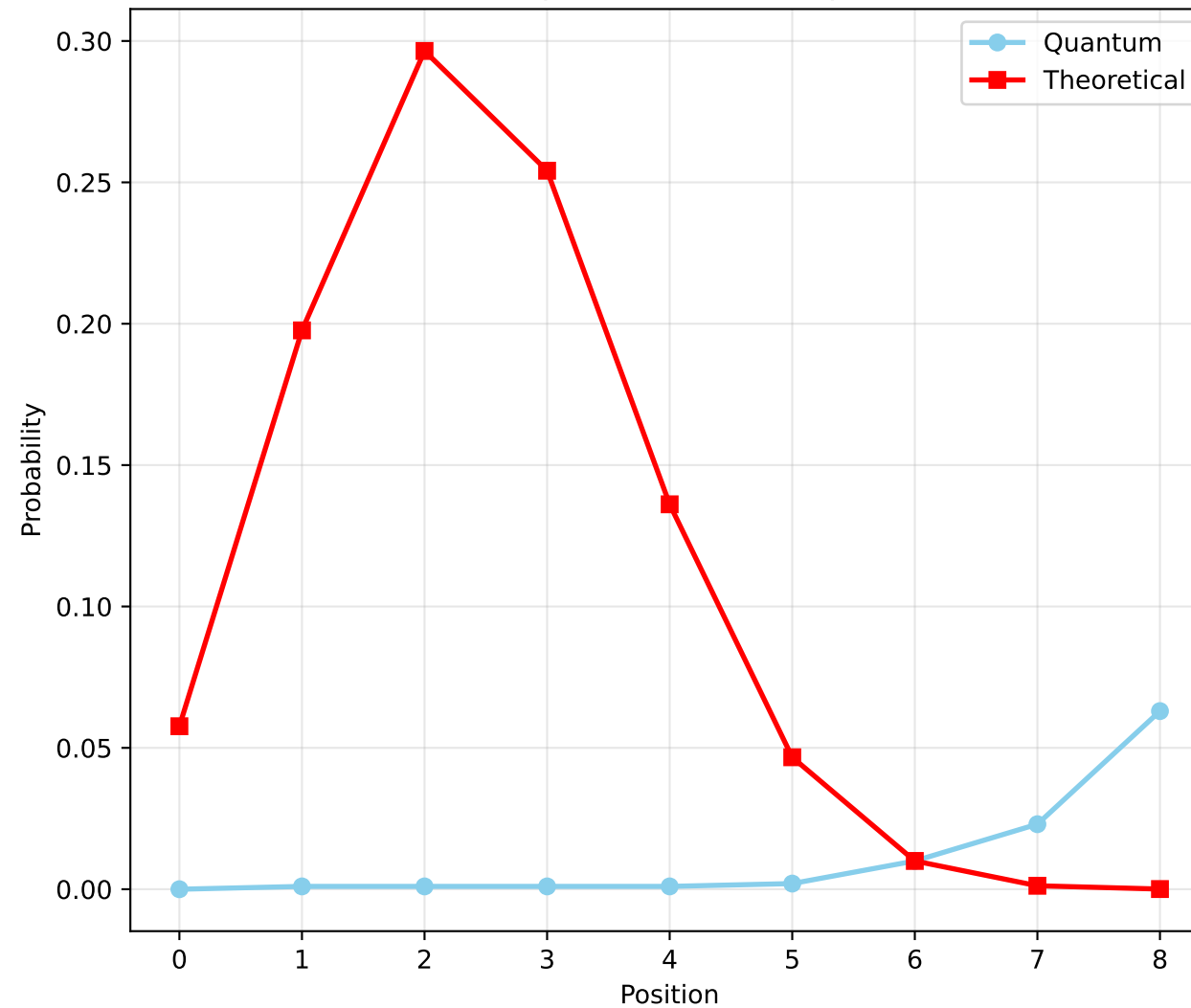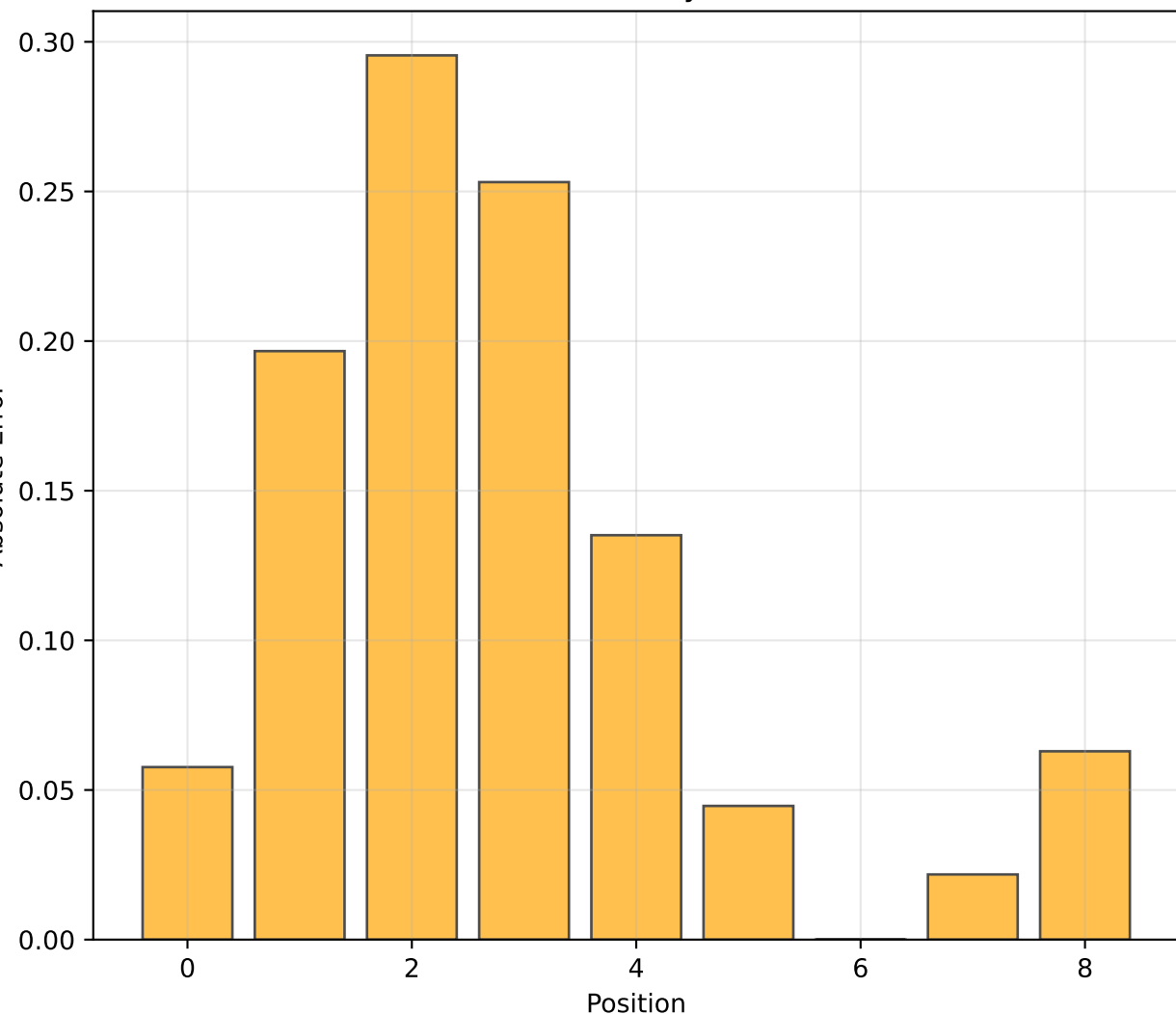Quantum Simulation Results (Shots: 1000)

Quantum vs Theoretical Distribution

Probability Distribution Comparison

Error Analysis

Statistics Summary:

Total Shots: 1000
Mean Position: 5.612
Theoretical Mean: 2.400
Variance: 1.643
Standard Deviation: 1.282
Theoretical Std Dev: 1.296

Bias Parameter: 0.3
Number of Levels: 8

Quantum Circuit Info:

Number of Qubits: 8
Circuit Depth: 8
Bias Parameter: 0.3

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