

Quantum Composer

Quantum Composer is a **GUI-based quantum circuit design tool** utilizing drag-and-drop functionality. It allows users to intuitively construct circuits without complex coding and view simulation results in real-time.

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Key Features

- **Intuitive Design:** Build circuits by placing gates and efficiently manage logical structures using slicers and barriers.
- **Real-time Simulation:** Instantly updates output states and histograms for up to 16 qubits using GPU acceleration upon any design modification.
- **Visual Analysis:** Provides a clear understanding of qubit phase changes and dynamic state flows through graphics and animations.
- **Multi-Environment Support:** Convert designed circuits into over 10 different quantum languages, such as Qiskit and Cirq, or directly submit them to actual QPU and simulator resources.

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