QCI Day 9

The Past, Present, and Future of Quantum Computing

A (non-comprehensive) history of quantum

1900, Max Planck: Quantization of energy levels

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Schrodinger: Wave equation

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1920s: Copenhagen interpretation

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Feynman: Quantum Electrodynamics

Quantum Computing

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1996: Grover's Algorithm developed

2011: D-Wave builds 1st quantum computer

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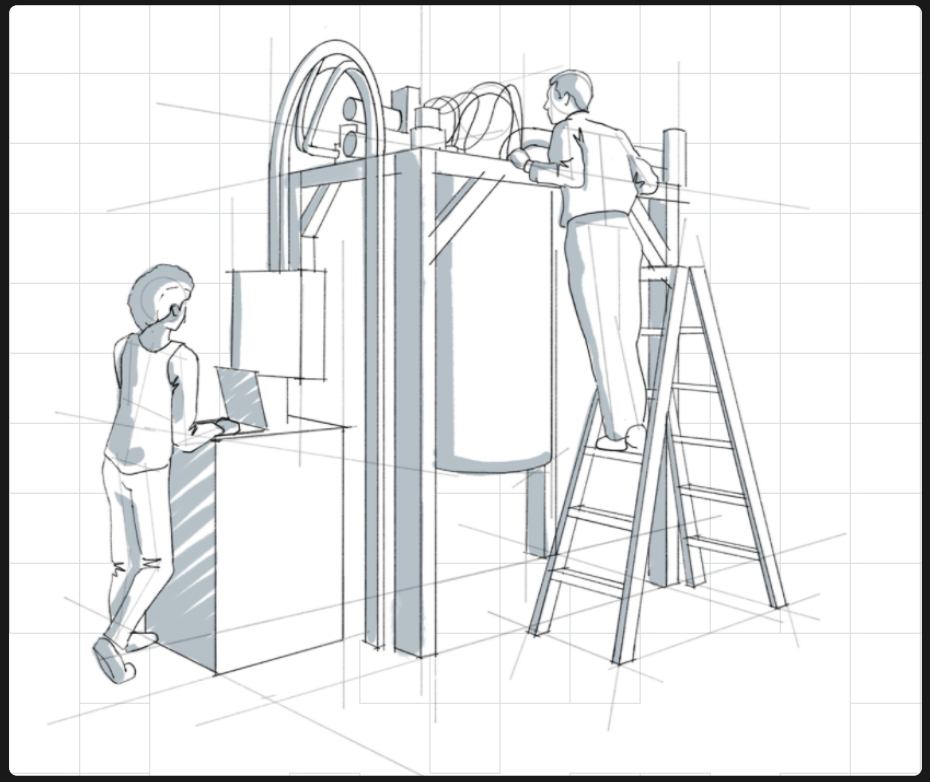
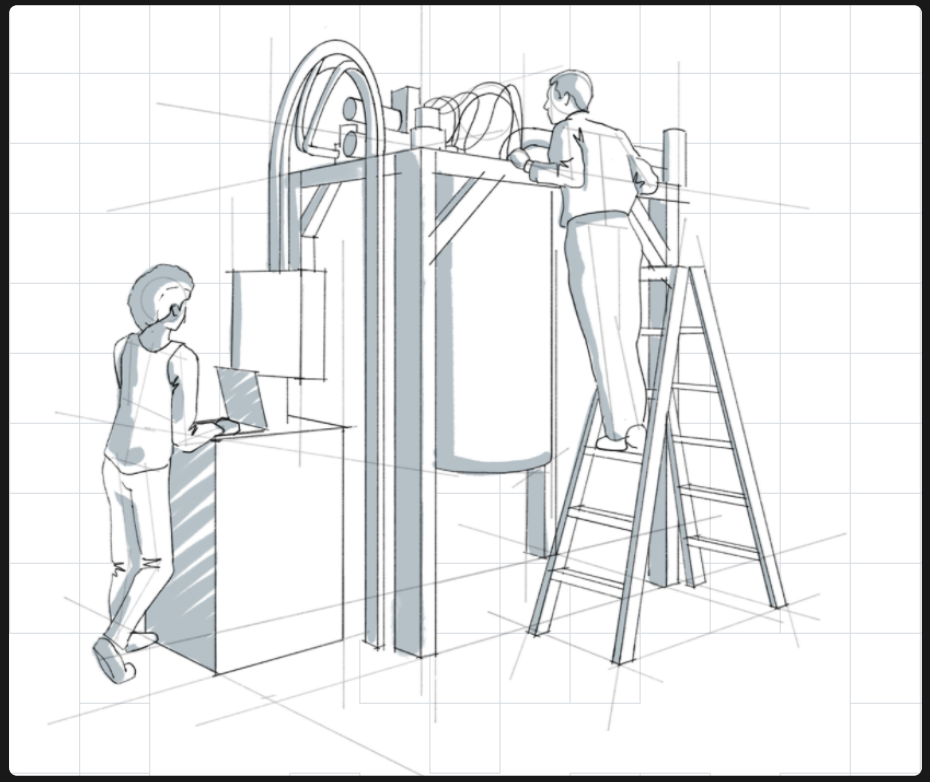
2019: Google Quantum Supremacy

Quantum Research + Getting Involved!



Contribute to Qiskit (and other libraries!)



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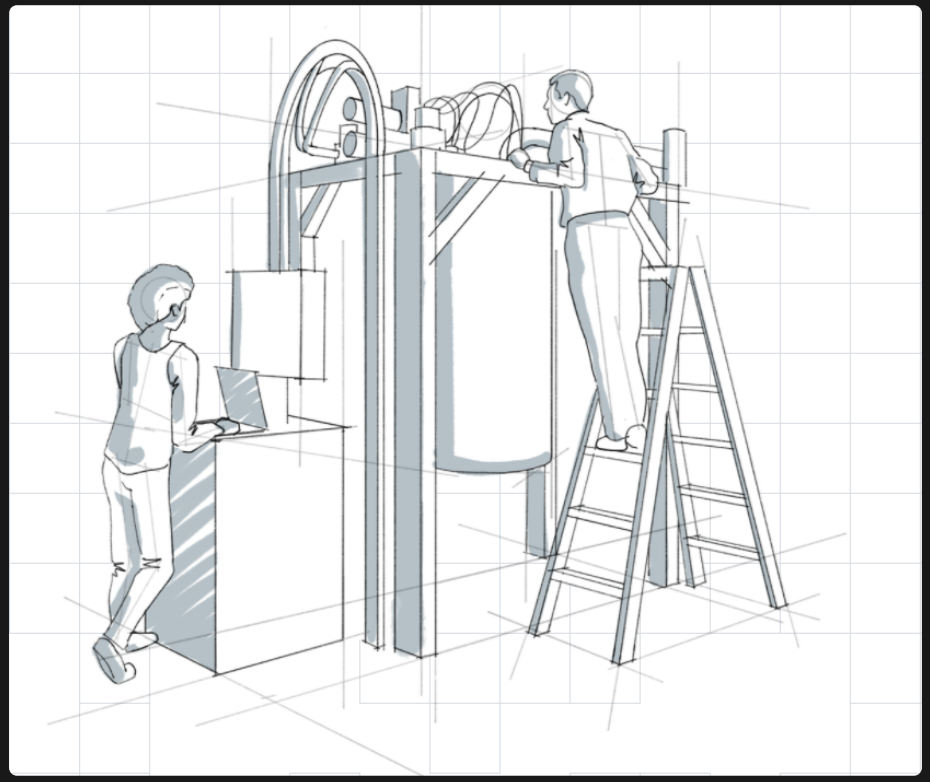
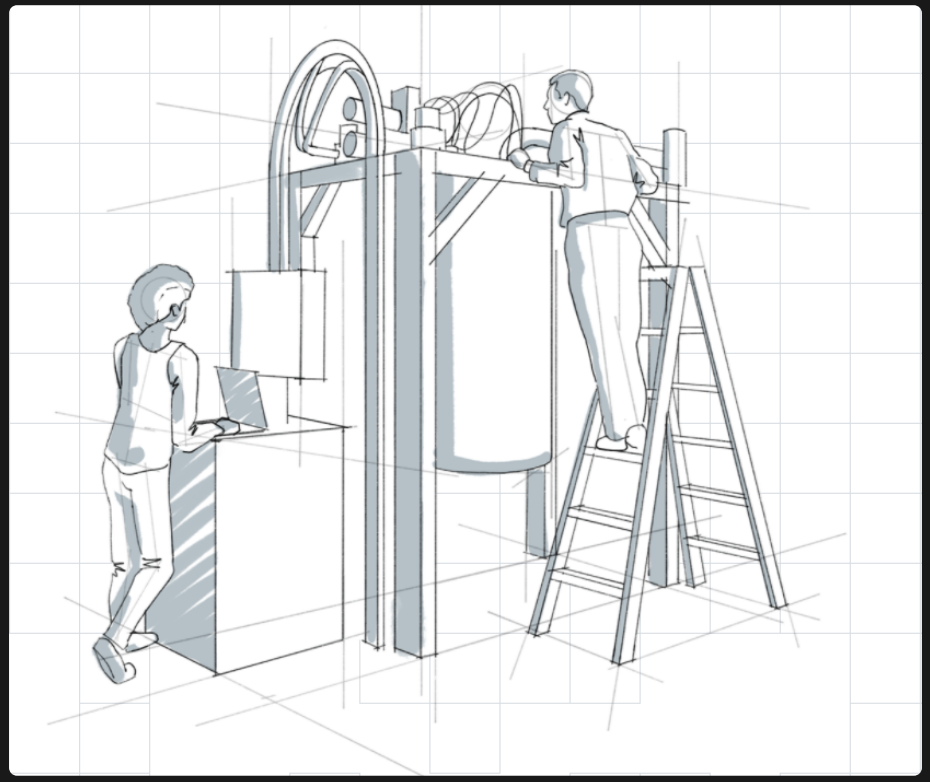
Quantum Hardware Research



Quantum Country



Quantum Country

QOSF

References

- *Yanofsky, Mannucci. Quantum Computing for Computer Scientists*
- Quantum computing history and background
- A Brief History of Quantum Computers
- What are the main differences between the Google Quantum computer, IBM Q, and the D-Wave quantum computer?
- 27 Milestones In The History Of Quantum Computing
- Google and NASA Achieve Quantum Supremacy
- Reinventing Data Processing with Quantum

Computing
- History of Quantum Computing
- History of quantum mechanics