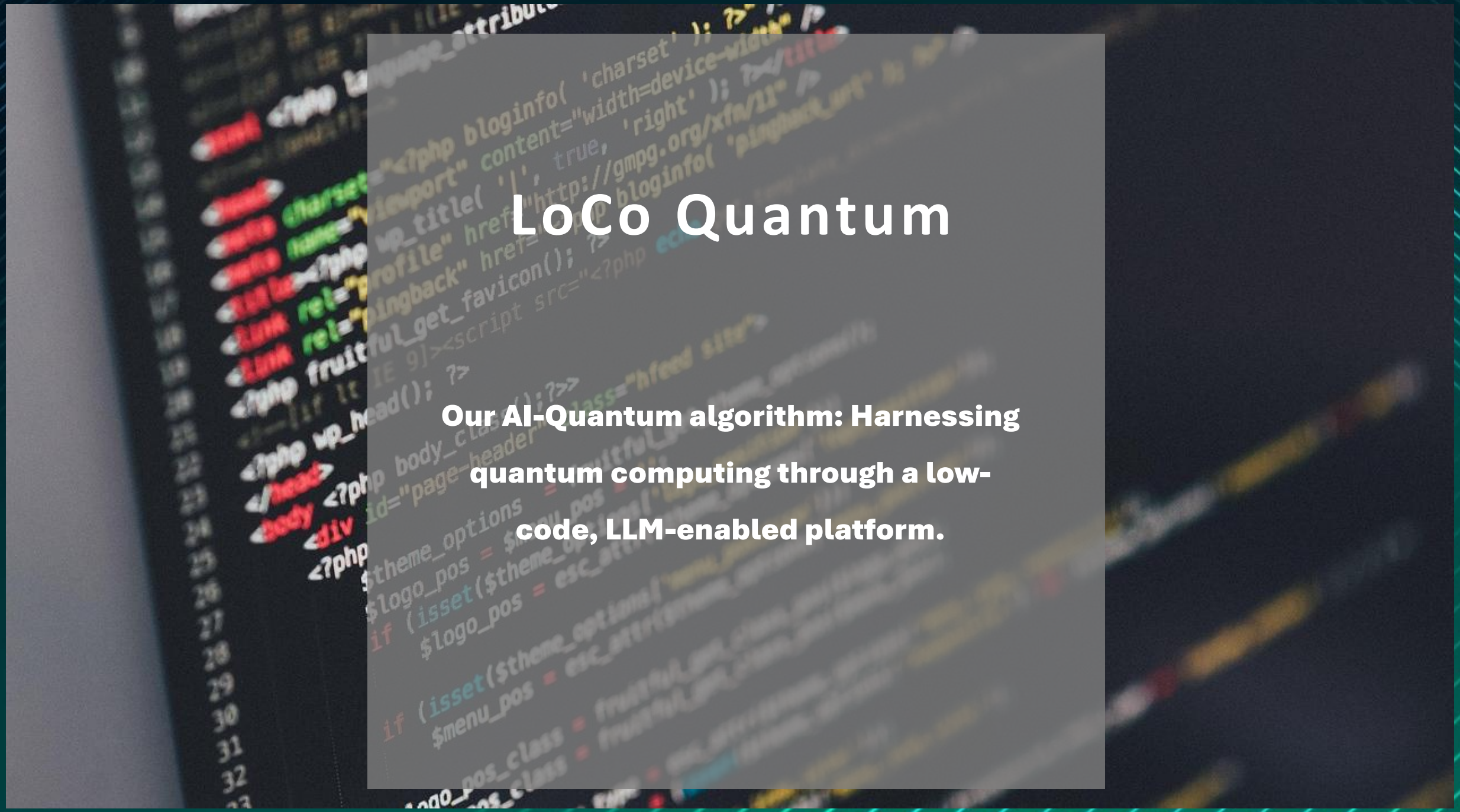


LoCo Quantum

Our AI-Quantum algorithm: Harnessing quantum computing through a low-code, LLM-enabled platform.

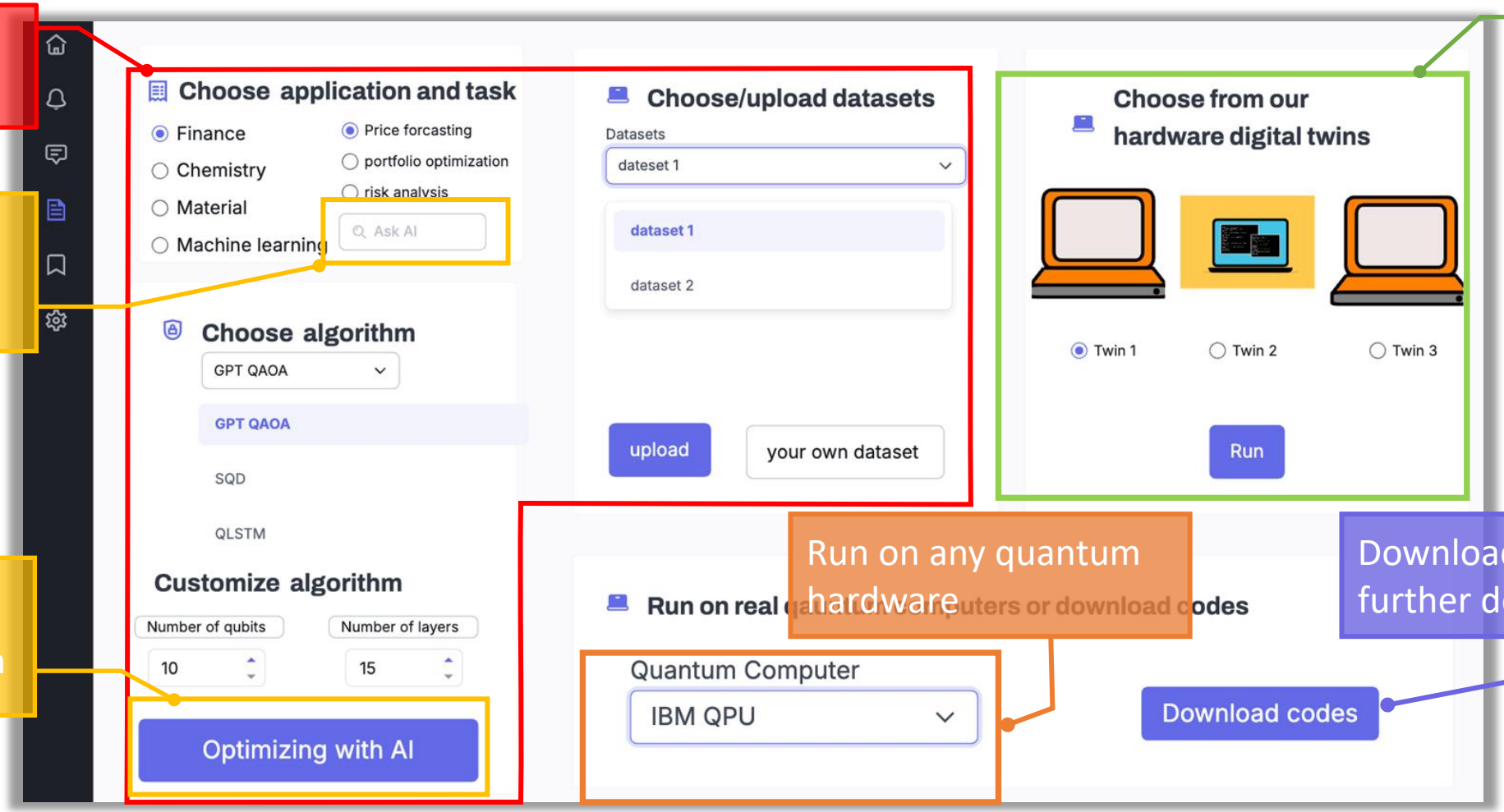
Solution: a low-code quantum algorithm platform

Build and run quantum algorithms without expertise

Customize Algorithms

AI assisted algo. design

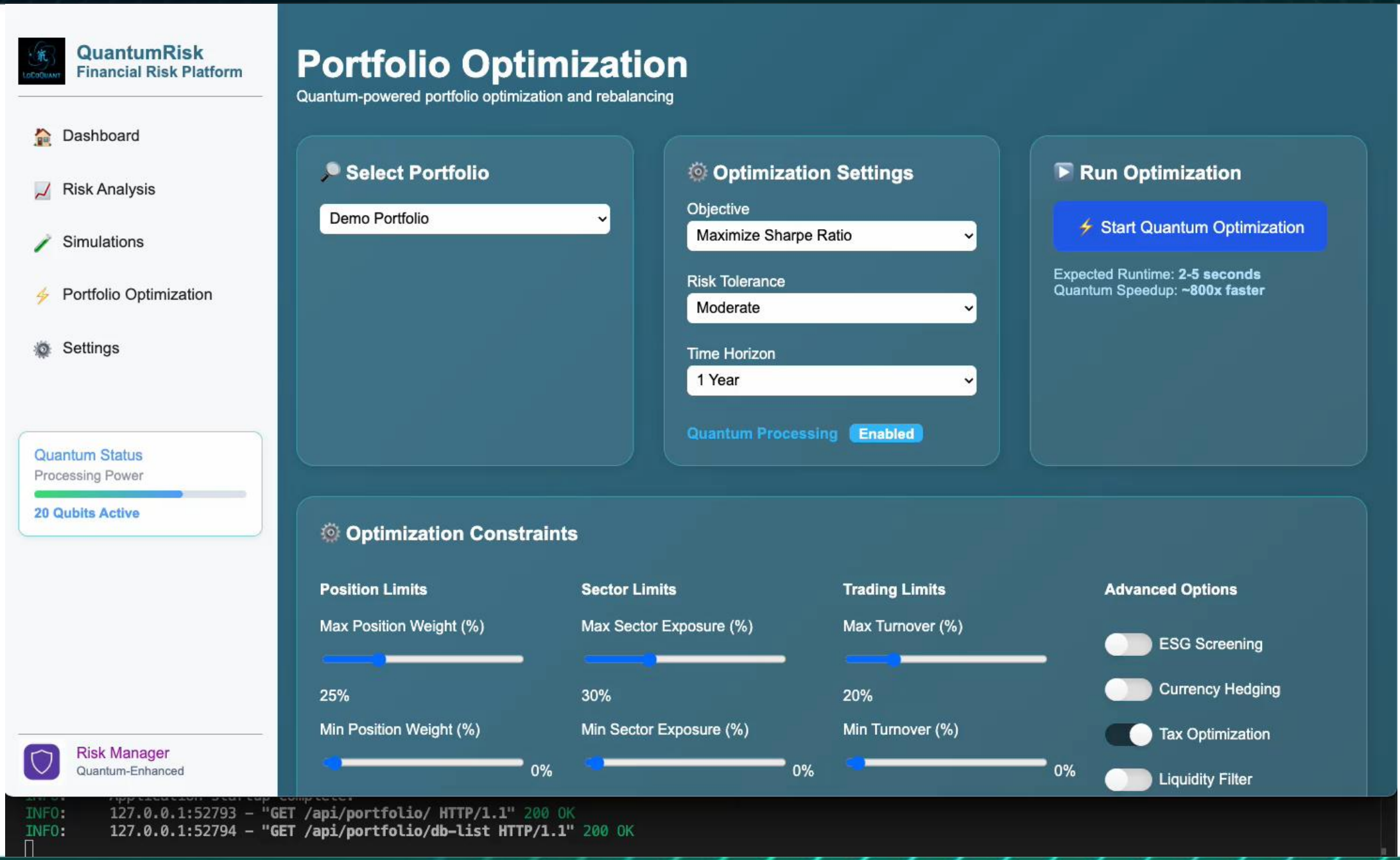
AI assisted Optimization



Cheap and fast validation

Run on any quantum hardware

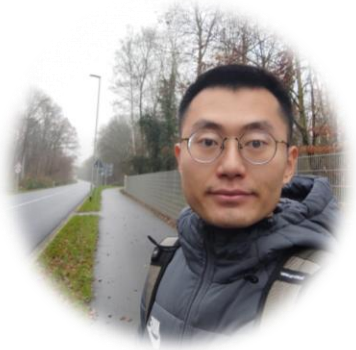
Download codes for further development


QuantumRisk
Financial Risk Platform
Dashboard
Risk Analysis
Simulations
Portfolio Optimization
Settings
Quantum Status
Processing Power
20 Qubits Active
Risk Manager
Quantum-Enhanced
Portfolio Optimization
Quantum-powered portfolio optimization and rebalancing
Select Portfolio
Demo Portfolio
Optimization Settings
Objective
Maximize Sharpe Ratio
Risk Tolerance
Moderate
Time Horizon
1 Year
Quantum Processing
Enabled
Run Optimization
Start Quantum Optimization
Expected Runtime: 2-5 seconds
Quantum Speedup: ~800x faster
Optimization Constraints
Position Limits
Max Position Weight (%)
25%
Min Position Weight (%)
0%
Sector Limits
Max Sector Exposure (%)
30%
Min Sector Exposure (%)
0%
Trading Limits
Max Turnover (%)
20%
Min Turnover (%)
0%
Advanced Options
ESG Screening
Currency Hedging
Tax Optimization
Liquidity Filter
INFO: 127.0.0.1:52793 - "GET /api/portfolio/ HTTP/1.1" 200 OK
INFO: 127.0.0.1:52794 - "GET /api/portfolio/db-list HTTP/1.1" 200 OK

Founding Team

Zhongyi Jiang

Founder & CEO
Quantum Algo & Hardware



PhD candidate at Forschungszentrum Jülich

Area of expertise: Quantum algorithm **&** Hardware design and control

Zhuo Cao

Co-founder & CTO
AI Core Algorithm

Post doc at FZJ

Area of expertise:

explainable **&** generative AI

Work experience:

ML6: machine learning internship on smart glasses

Ran Xue

Co-founder & CSO
Quantum Algo & Hardware

PhD candidate at RWTH Aachen

Area of expertise:

semiconductor quantum device **&** electron spin-qubit

Work experience: PSI, imec

THANK YOU

LoCoQ

LoCo Quantum @ LinkedIn