QILIMANJARO

QUANTUM · TECH

QiliSDK: Toolkit for Digital, Analog, and Hybrid Quantum Workflows

QiliSDK Structure

QiliSDK: Layered, Flexible Workflows

- **Core abstractions**: variables, models, tensors

- **Analog** (Hamiltonians, schedules) & **Digital** (gates, circuits)

- Shared **functionals**: time evolution, sampling, optimization

- **VariationalPrograms** to optimize functionals using optimizers and cost functions.

- Run on local simulators (**CUDA**, **QuTiP**, ..etc) or deploy to QiliCore via **SpeQtrum**