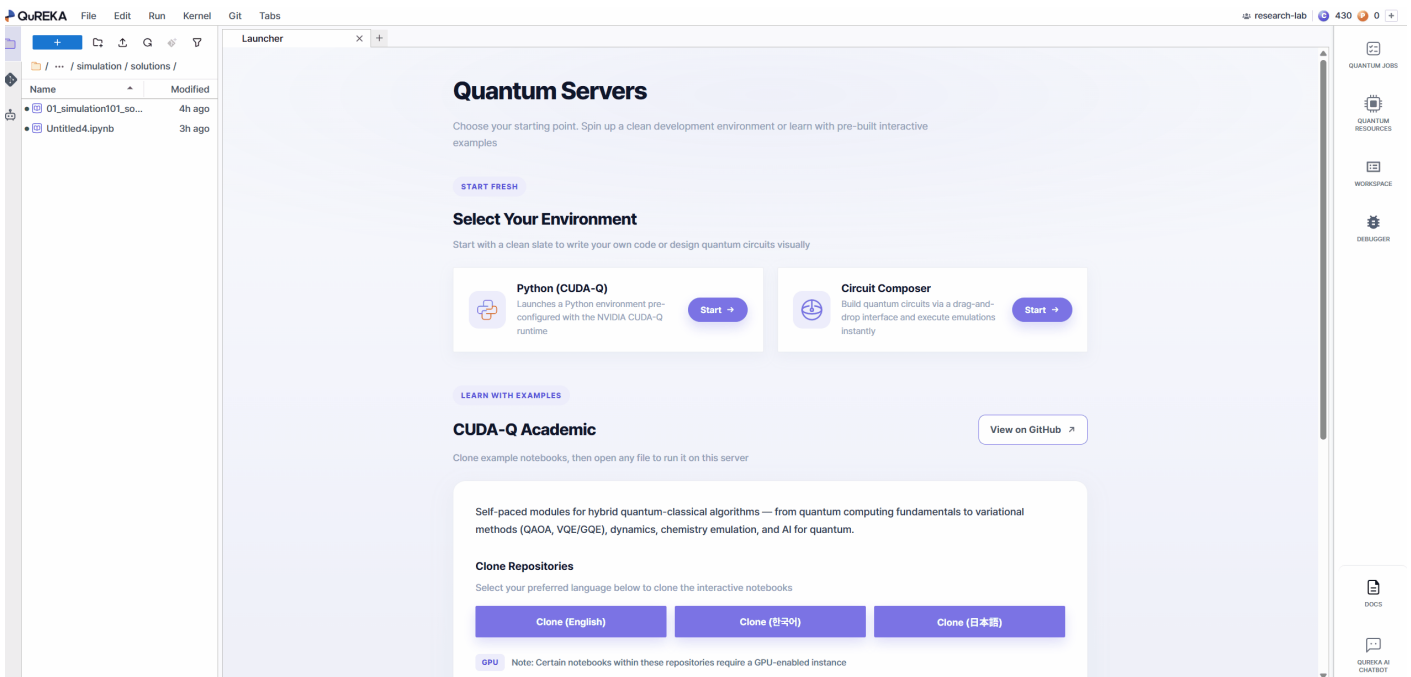


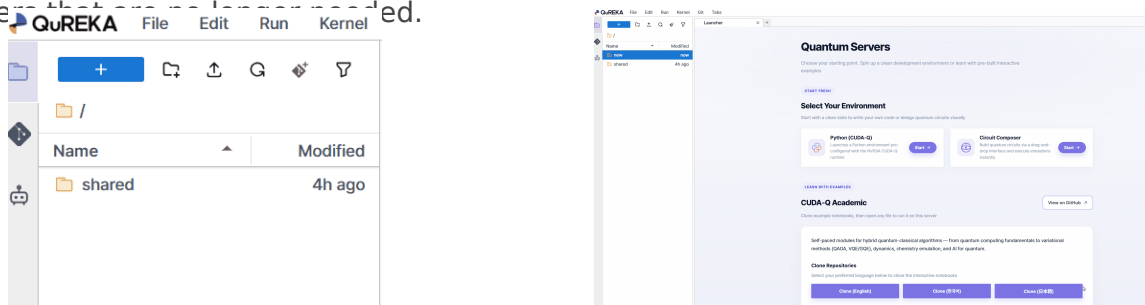
Notebook

QuREKA Lab provides a powerful Python development environment based on JupyterLab, supporting an efficient workflow through dedicated extensions and AI-powered tools optimized for quantum algorithm development.



1. Jupyter Notebook Environment

- **Python-Based Development:** Utilize standard Python libraries and quantum computing frameworks within a JupyterLab-based environment.
- **Instant Start:** Create new Jupyter Notebook files and begin development immediately.
- **Folder Management:** Create new folders to organize your notebook files, and delete folders that are no longer needed.

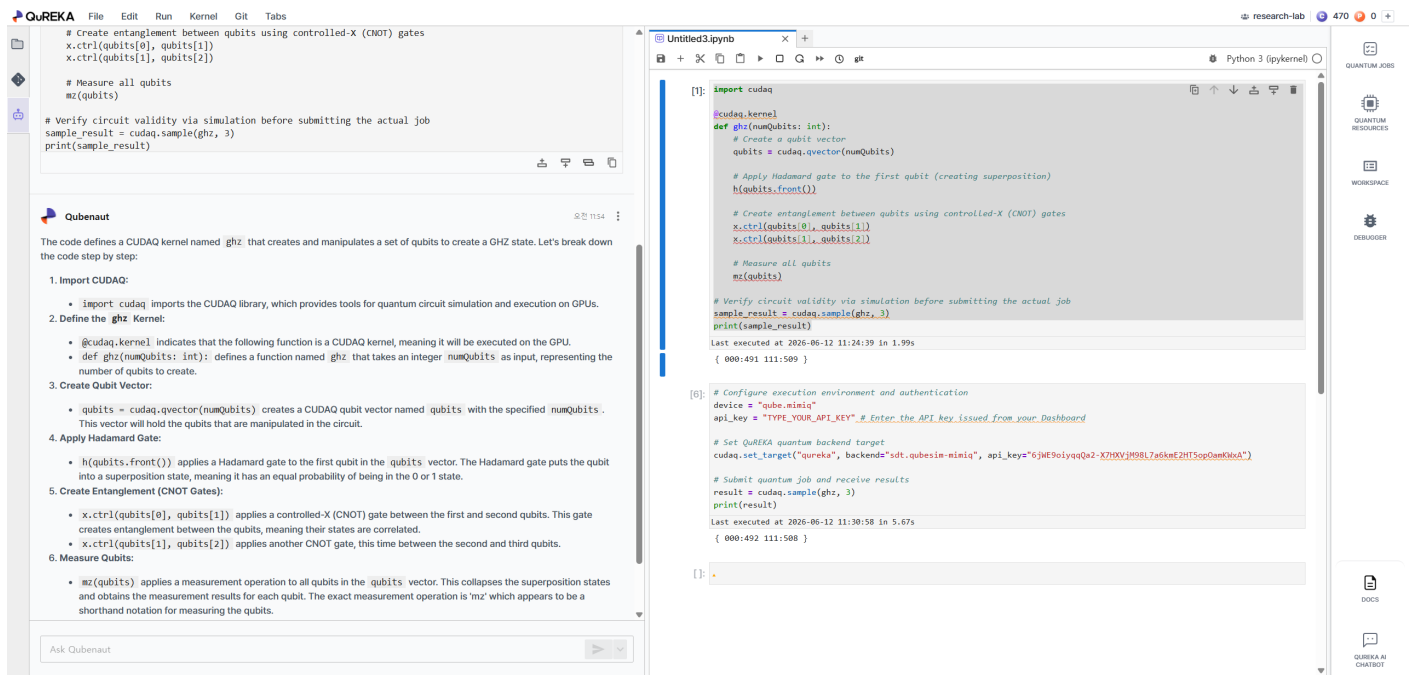


- **Sample Files Provided: Sample Notebooks** containing example code for major quantum algorithms are provided by default to assist with learning and practice.

2. Dedicated Extensions and Support Tools

QuREKA Lab places optimized tools in the left and right sidebars for development convenience.

- **AI Assistant (Left Panel):** Provides **AI-powered assistance** for quantum algorithm development and coding. You can easily access the conversational assistant from the left sidebar to receive support for complex implementation processes.



- **Right Panel Extensions:**

- **Task (Job Monitoring):** Monitor the real-time status and success/failure of your submitted quantum jobs.

Quantum Jobs

Device Name

Enter search keyword

StatusAll

10 quantum jobs total

Submitted At / Job ID	Provider / Device Name	Status																				
2026. 06. 12. 오전 11:30 6a2b6f5e427c...	QPerfect QubeSIM-MIMIQ	Done																				
Job Information <table><tr><td>Job ID</td><td>6a2b6f5e427c6134ca196328</td><td>Submitted At</td><td>2026-06-12 11:30:54.279</td></tr><tr><td>Started At</td><td>2026-06-12 11:30:55.310</td><td>Completed At</td><td>2026-06-12 11:30:56.186</td></tr><tr><td>Credits Used</td><td>10 credits</td><td></td><td></td></tr></table> Job Details <table><tr><td>Qubits / Shots</td><td>3 / 1,000</td><td>Circuit</td><td>Copy quantum circuit</td></tr><tr><td>Result</td><td colspan="3">Download</td></tr></table>			Job ID	6a2b6f5e427c6134ca196328	Submitted At	2026-06-12 11:30:54.279	Started At	2026-06-12 11:30:55.310	Completed At	2026-06-12 11:30:56.186	Credits Used	10 credits			Qubits / Shots	3 / 1,000	Circuit	Copy quantum circuit	Result	Download		
Job ID	6a2b6f5e427c6134ca196328	Submitted At	2026-06-12 11:30:54.279																			
Started At	2026-06-12 11:30:55.310	Completed At	2026-06-12 11:30:56.186																			
Credits Used	10 credits																					
Qubits / Shots	3 / 1,000	Circuit	Copy quantum circuit																			
Result	Download																					
2026. 06. 12. 오전 11:11 6a2b6aea427c...	QPerfect QubeSIM-MIMIQ	Done																				
2026. 06. 01. 오후 02:15 6a1d1560f1d3...	QPerfect QubeSIM-MIMIQ	Done																				
2026. 06. 01. 오후 01:07 6a1d059df1d3...	QPerfect QubeSIM-MIMIQ	Canceled																				
2026. 06. 01. 오후 01:02 6a1d0451f1d3...	QPerfect QubeSIM-MIMIQ	Done																				
2026. 06. 01. 오후 01:01 6a1d0412f1d3...	QPerfect QubeSIM-MIMIQ	Done																				
2026. 06. 01. 오전 11:16	QPerfect																					

- o **Resource (Resource Information):** View a list of available QPUs and simulators along with their detailed specifications.

Quantum Resources



Device Name

Enter search keyword

Status

All

Type

All

6 quantum resources total

Provider	Device Name	Type	Qubit Count	Status	
AWS Braket	Emerald	QPU	54	● Online	^
Resource Detail Topology Device Specs Qubit Specs Edge Specs Overview PROVIDER AWS Braket TYPE QPU SERVICE STATUS ● Online Available PLATFORM Superconducting POLICY 51.75 credits per job 0.276 credits per shot RESOURCE NAME Emerald QUBIT COUNT 54 ACCESS ROLE ADMIN Details TARGET CODE iqm.emerald ⓘ NATIVE GATES cz, prx, cc_prx, measure_ff, barrier SHOTS RANGE 1 - 20,000 SERVICE HOURS Weekdays 00:00 - 03:29 (UTC) Weekdays 07:20 - 23:59 (UTC)					
IonQ	Forte-1	QPU	36	● Maintenance	v
IonQ	Forte-Enterprise-1	QPU	36	● Online	v

- **Workspace (Workspace Information):** Check current workspace details and your real-time credit balance.

Workspace

R resarch-lab Team

Subscription Pro

My Role Admin

API Key ⓘ20Rs 📋

 Total Balance



1,888.125

C Credit 1,888.125 · **P** Point 0

Revision #8

Created 2026-02-06 07:37:09 UTC by Admin

Updated 2026-06-12 06:59:08 UTC by Admin