What is the Qiskit Advocate Mentorship Program (QAMP)?

QAMP is a 3-month mentorship initiative designed to support growth and collaboration within our vibrant open-source community.

Starting **15 Oct**, this program will provide a platform for both mentors and mentees to engage in open-source development or content creation using Qiskit, while building meaningful connections with quantum experts and peers.

Registrations for QAMP 2025 are now open:

- **Mentees** can expect to learn how to contribute to quantum computing advancement. Participants more experienced in open-source development can hone and develop specialized skills. Mentees must be Qiskit advocates.
- **Mentors** can expect to develop leadership and teamwork skills, while making a significant impact on the next generation of quantum developers and leaders.

Participants in previous QAMPs have consistently rated their **experiences over 4.5/5.**

Excited for QAMP 2025?

Propose a project:

github.com/qiskit-advocate/qamp-2025

Sign up to be a mentor:

ibm.biz/qamp2025-mentor

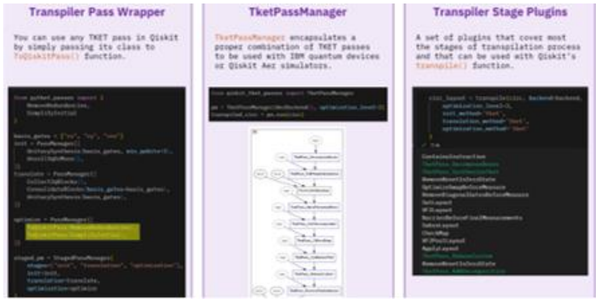
Mentors do not need to be Qiskit advocates.

Apply to become a mentee:

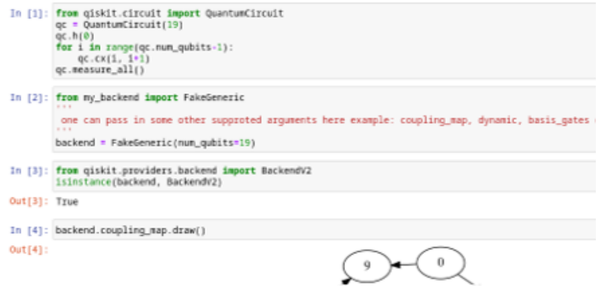
Link to the application form is shared in the Qiskit advocate hub on Discord and the advocate-only spaces in the Qiskit Slack workspace (only accessible to Qiskit advocates).

For further questions: Qiskit advocates can ask in the #qap-support channel in the Qiskit advocate hub. External parties can email radha.pyari@ibm.com

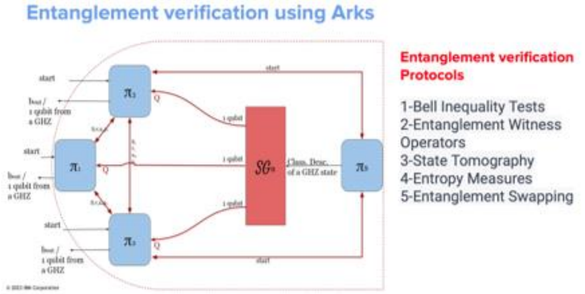
Past QAMP projects



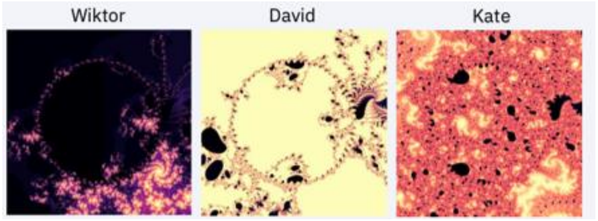
Tket transpilation pass wrapper



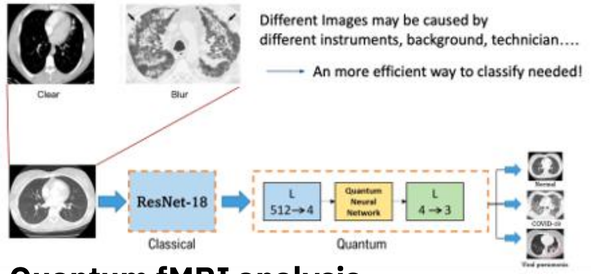
Update and migrate Qiskit Terra fake backends



Research more on ARKS representation



Quantum fractal art



Quantum fMRI analysis

Longform blog content

Past QAMPs have resulted in:

100+ PRs

30+ new contributors

20+ blogs

3 preprint papers

Project interest areas

- Quantum circuits
- Transpilation
- Quantum simulators
- Quantum error correction
- Error suppression & mitigation
- Benchmarking
- Machine learning
- Finance
- Optimization
- Chemistry
- Quantum games/demos
- Technical writing
- Qiskit tutorials
- Education
- Hardware
- UI/UX
- Design
- Open-source community
- Algorithms
- Other

Timeline

Mentor sign-up

Mentee applications

Kick-off
15 Oct

Checkpoint 1
3 min presentation on proposal

Checkpoint 2
short written report (500 – 1,000 words)

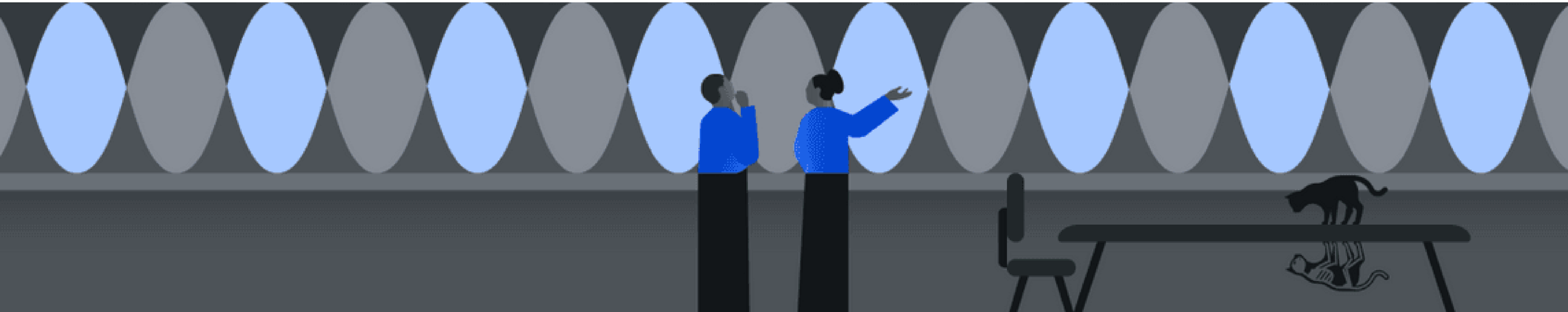
Final showcase
Final demo

trial period

break

Sep | Oct | Nov | Dec | Jan | Feb

Mentor-mentee matching



FAQs

For prospective mentees:

Q: Do I need to be a Qiskit advocate to be a QAMP mentee?
Yes. If you are interested in participating in QAMP 2025 as a mentee, apply to the Qiskit advocate program via ibm.biz/advocates-application ASAP. Program entry criteria applies. For 2025, any Qiskit advocate from Tier 0-3, can apply to QAMP.

Q: I am a beginner in quantum programming. Can I still participate in QAMP?
Absolutely! Some projects focus on supporting individuals to make their first PR to Qiskit or the Qiskit ecosystem. You may also apply to a project that is less focused on code (e.g., tutorial or blog writing).

Q: What can I expect to gain out of being a QAMP mentee?
- Networking
- Improved skills in project topics
- Published papers or other deliverables
- Professional development experience

Q: What is the expected time commitment?
Time commitment varies across projects and is noted on each project issue. However, we expect QAMP to require approximately 4-8 hours of your time per week.

Q: Is this program worth my time?
In previous QAMP surveys, **90%** of responding **mentees** agreed or strongly agreed that the program **improved their quantum skills.**

For prospective mentors:

Q: By when should I propose a project?
Asap. Prospective mentee applications will be sent to you on a rolling basis from mid-September onwards. Proposal submissions close on 30 Sept.

Q: What can I expect to gain out of being a QAMP mentor?
- Opportunity to share your knowledge and develop leadership skills
- Learn through teaching
- Opportunity to shape the Qiskit community and future leaders in quantum computing

Q: What is the role of a mentor?
- Help mentees understand core concepts and techniques
- Provide mentees with feedback
- Help mentees find relevant learning/research materials
- Project and people management

Q: What is the expected time commitment?
Being a mentor takes approximately 1-3 hours per week for the duration of the program, plus a couple of hours for the mentee matching process. During the program, you should meet with your mentees at a mutually agreed-upon frequency (usually weekly).

Q: Is this program worth my time?
In previous QAMP surveys, **88%** of responding **mentors** agreed or strongly agreed that the program was a **worthwhile use of their time**.

Q: Do I need to be a Qiskit advocate to be a QAMP mentor?
No.