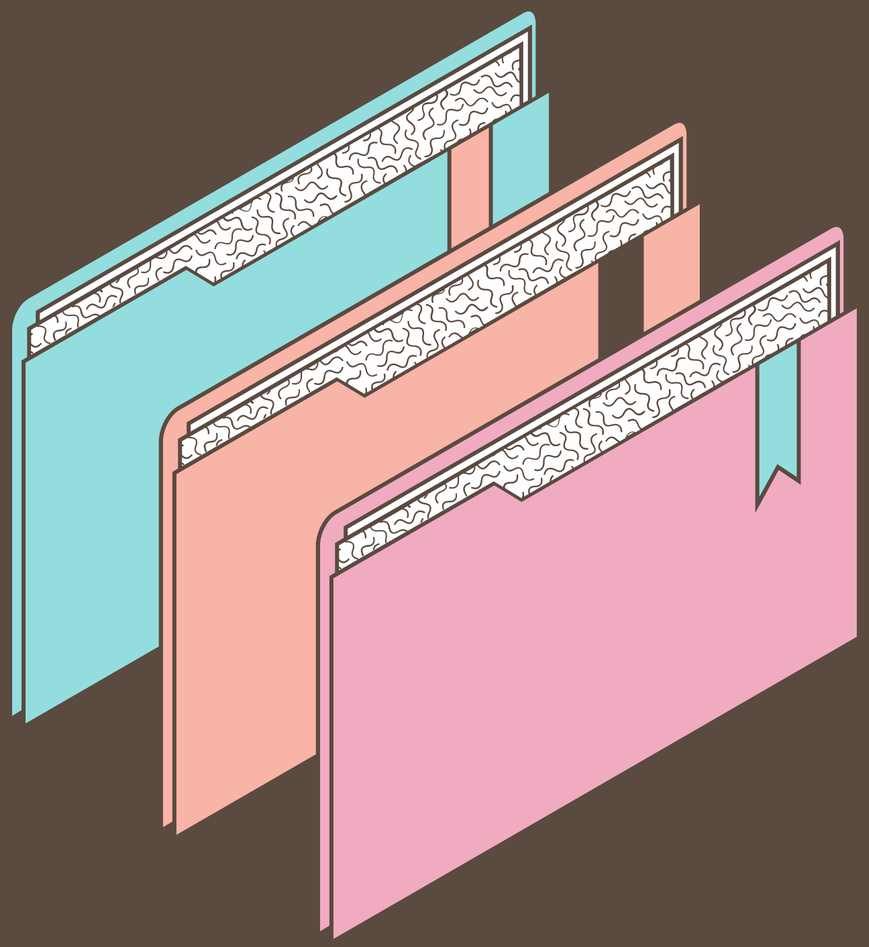
QAMP- FALL 2022 - CHECKPOINT 3

Longform content for the Qiskit Blog (Issue #14)

Mentee: Bruna Shinohara
Mentor: Ryan Mandelbaum



Topics

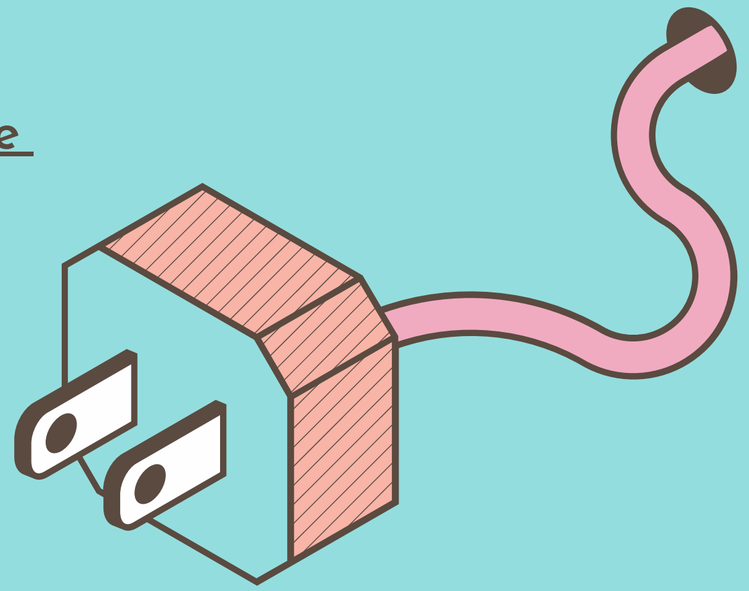
- I: Review of project
- II: From checkpoint 1 to checkpoint 3
- III: New lessons learned

I. The project

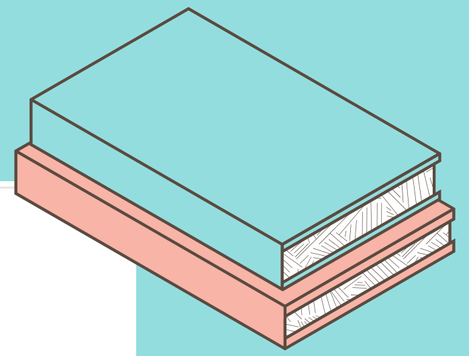
Mentees will produce two long-form, narrative contributions to the Qiskit Blog.

These should each be 800 words or longer, telling stories about important work, interesting people, or ongoing research in the Qiskit community.

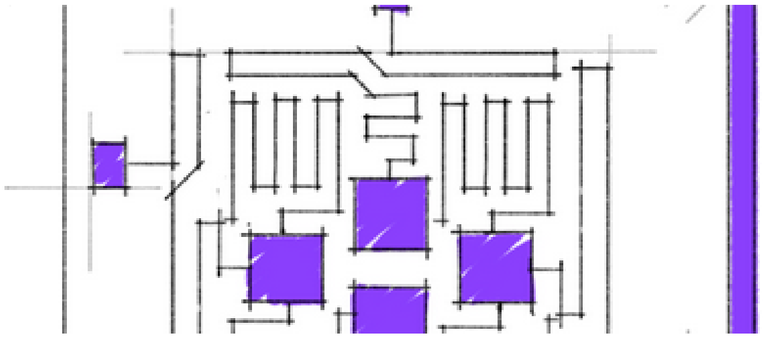
They should begin with well-researched briefs, will require interviews, and will require you work with any of the story's subjects to gather image, photo, or illustration assets.



I. The project



Qiskit
Sep 28 · 11 min read



How The First Superconducting Qubit Changed Quantum Computing Forever

Read more...

Qiskit

A community to discuss Qiskit, programming quantum computers, and anything else related to quantum computing.

More information

FOLLOWERS
6.7K

ELSEWHERE

First Medium article!

October 26th

Our first Qiskit Medium was published, titled “Simulating topological systems on noisy quantum computers using Qiskit”.

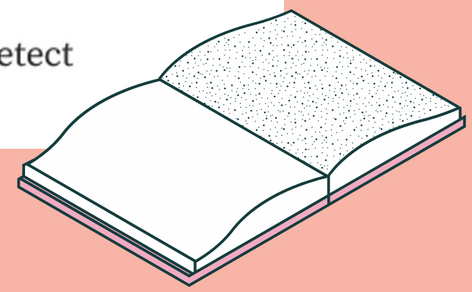
Qiskit

Oct 26 · 4 min read · Listen

Simulating topological systems on noisy quantum computers using Qiskit

By Bruna Shinohara de Mendonça, Qiskit Advocate

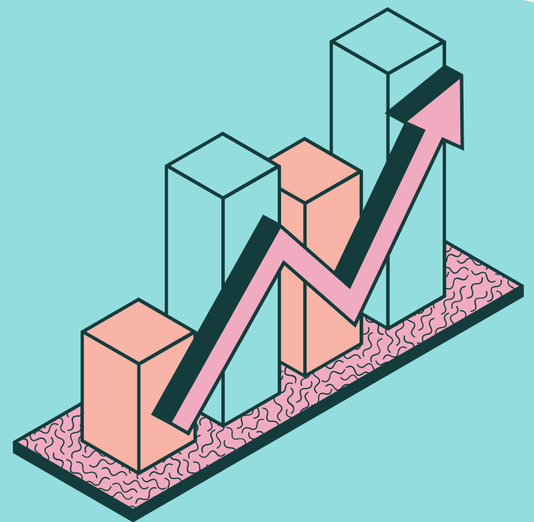
In 1938, the Italian physicist Ettore Majorana wrote a letter to his university’s dean saying he needed to sail away. He was never seen again. But even during his life, he produced mysteries — he postulated the existence of mysterious particles called “Majorana fermions,” for example. These particles would be their own antiparticle, serve as candidates for the elusive neutrino, and in materials science, they appear in systems with a special type of superconductivity. To top it all off, Majoranas are challenging to detect experimentally.



Choice of second theme

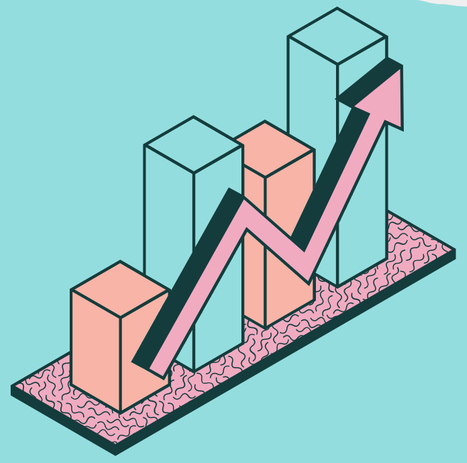
Qiskit and startups

- how is qiskit used in startups?
- success cases: three interviews
- expert interview with Dr Stefan Erlington, partnership leader, IBM Quantum



Currently: reviews

Qiskit and startups



on quantum technologies, investment in quantum
1, allied with the intense expectations of the rapid
% by year. Furthermore, the most recent report
s out that while most investments are in quantum
t is growing rapidly.

ue moment for quantum investments? Dr. Stefan
antum, drops four pieces of advice for startups.

***einvent the wheel. Leveraging some of the
iskit runtime as a service helps you get off
eye out for those opportunities to not waste
s that have already been worked on. "***

this lesson very well. Their quantum software,
el of control in quantum computation, pulses, to
nts. "To this end, we extensively leverage Qiskit

Ryan Mar
3:54 PM De
Flip this. interest

Ryan Mandelb
3:55 PM Dec 6
Add: *"Nut graf goes here*

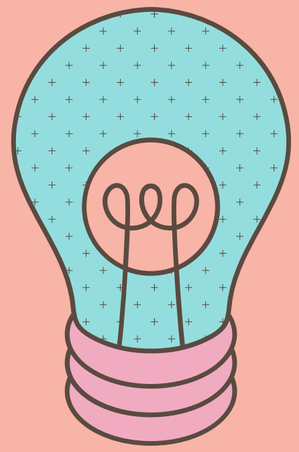
Reply or add others w

Ryan Mar
3:56 PM De
Rather than treat
we summarize th
section headings

Ryan Mar
4:11 PM De
Replace: *"s"* with

New challenges and new lessons learned

- Writing about subjects I am less familiar with
- Planning when conducting several interviews
- Diversity



Responded	send via email	Interview
yes	no	Nov 18
yes	no	done
yes	yes-sent	done
yes	yes - sent	waiting
yes	unsure	?
yes	yes-sent	?
no	-	-
yes	no	Nov 21

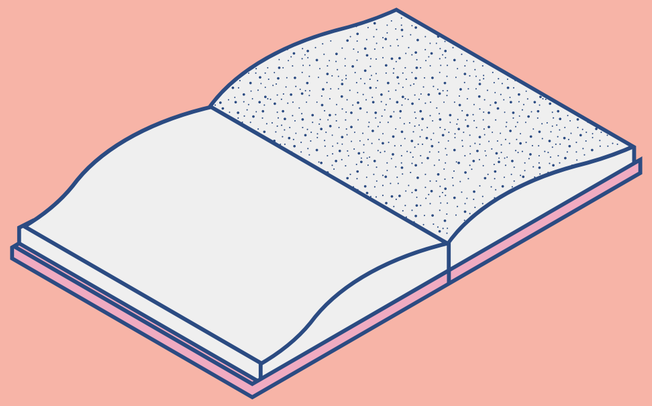
What's next?

1 — 2 — 3 — 4

STEP

Second version

Based on the latest' conversations



STEP

Ryan's review

A more in-depth review of the text

STEP

Send to interviewed authors

Check if any changes are needed.

STEP

Publish on Qiskit Blog

(Yay!)

Thank you for your attention!