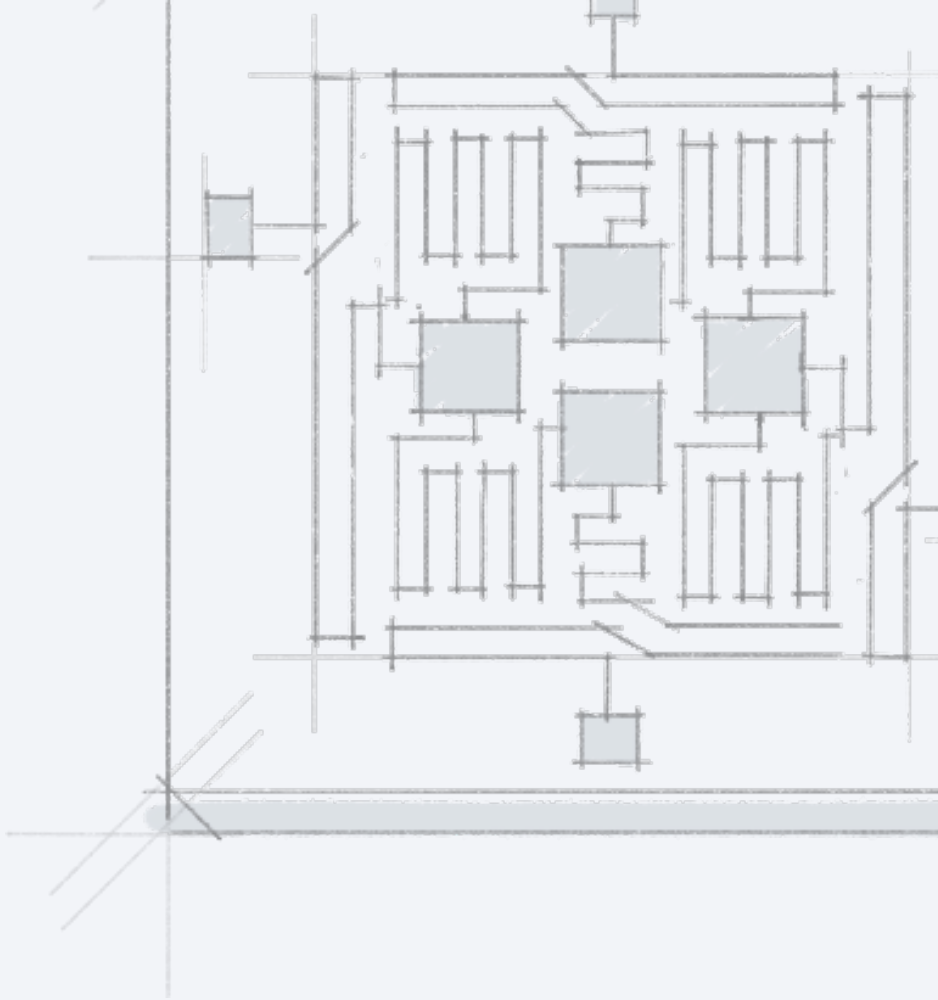# Attendee Guide

About

Welcome to Qiskit Hackathon Global 2021! We are excited to welcome you to our first-ever real-time **virtual hackathon** and see what amazing projects you come up with.

Please read through this Attendee Guide to find answers about the structure, setup, agenda, and resources of the hackathon. This is **not** a passive event - wherever you may be in the world, we need your engagement to make it a success. Grab your computer and find your favorite chair. Qiskit Hackathon Global is about to begin.

Index

Schedule

TBA   General Support Office Hours
TBA   Qiskit Installations Office Hours

3:00 PM   Live Persentation:
Qiskit Hackathon Global Kickoff

NOV. 9 MONDAY

11:00 AM   Project Team Formation Begins

11:59 PM   Project Proposal Sumbission Closes

NOV. 10 TUESDAY

11:59 PM   Team Formation Ends
ALL FINAL TEAMS CONFIRMED

NOV. 13 THURSDAY

11:59 PM   Project Submission Deadline
FINAL PROJECTS SUBMTTED

NOV. 17 WEDNESDAY

11:00 AM   Community Choice Voting Begins
VOTE FOR YOUR FAVORITES!

NOV. 18 THURSDAY

11:00 AM   Community Choice Voting Ends

3:00 PM   Award Ceremony & Wrap Celebration

NOV. 19 FRIDAY

Items in **purple** are required activites for participation & prize eligibility.

Hackathon Projects
from pitch to presentation

Pitch a Project

To pitch a project idea, go to "Projects" and submit your idea by selecting "Create a Project" and providing an overview of your project idea. **Submissions are open now,** and will be open until November 9.

In the project description, it is important to be thorough and precise. Start by addressing the issue. Why did you choose this project? Why do you feel like this issue needs to be addressed? You want to make sure to fully capture your project idea so other participants are able to understand, ask questions, and join your project team. Don't forget to add tags to make your project easy to find for potential teammates!

Need to make changes?
No problem. You (and your project team) are able to edit the project page **anytime** before the submission deadline. **However,** once the deadline passes, you will be unable to make additional updates to your final submission.

Project Team Formation

As project pitches are submitted, it's important to note that team formation will not be available before the live hackathon kicks off on Monday, November 8th. This will give every participant a chance to submit their project ideas and see what project teams they may want to join without missing any updates!

Every project will be open for interested participants to explore and join (with a maximum team size of 5 members). The original pitcher for each project will be the primary contact for that project's team, and will be the one you reach out to if you want to join a team. Project pitchers will be the only people who can directly add members to their team.

All teams must be validated by Event Support or an Admin before they can be confirmed and finalized. If you have less than 3 people in your team or if you have any concerns about getting the right teammates, reach out to our Support team on Discord

Finding Teammates

Check out 'Join the Team Now' below the "Our Team" section. If your project is looking for, or needs support from, a specific skill set or background, you can select the type of team member(s) you are looking for to complete your team.

All participants will be able to view your project pitch, ask questions, and request to join the project of their choice.
Each team must have at least 3 but no more than 5 members.

Joining a Project Team

Look through the projects listed and see what interests you. Have a specific topic or interest area? Filter the pitches by project tags to highlight those projects related to your interest! If you have any questions, you can direct message the pitcher directly, or comment on the project publicly.

Ready to join a project team?
Simply select "Join Team!" at the bottom of the project page.

Final Submissions

As you approach final project submission, remember that it is important to also provide your solution/outcome. What is your final product?
When it is time to add your presentation slides to the platform (at the end of the hackathon), feel free to include any/all links to relevant content, and don't hesitate to add pictures or even embed videos of your project.

IMPORTANT
Once you publish your presentation, **every hackathon participant can see it.** If you want to keep working on it as a team without showing every step of your progress to all participants, keep it as a draft until you are ready. *(TIP! Use view mode to see how it looks on your project submission before the final deadline passes and your final submission is closed for further updates.)*

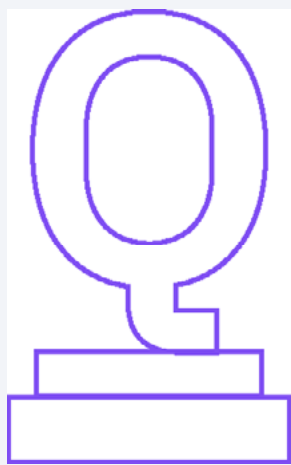### Presentation guidelines will be available soon!

Collaboration

Once your team is finalized, an Event Admin will assign a dedicated collaboration channel to your team on Discord.

That channel is where you will be able to work together and connect with hackathon mentors live throughout the entire event. Please explore the Discord server to connect with other participants, play games, and find additional resources, guides and insights throughout the event - it's for a lot more than a project work space!

Awards & Prizes
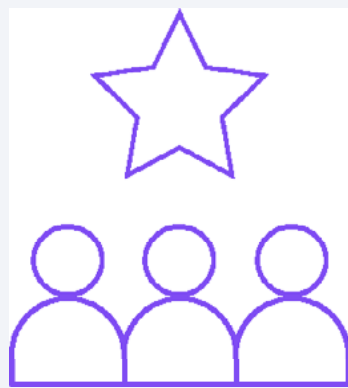
First Place Award

1st Place Trophy & $1,000 USD

Each member of the team that finishes in 1st place receives a custom Qiskit Hackathon trophy along with $1,000 USD!

Second Place Award

2nd Place Trophy & "Upgrade Your Workspace!" Kit

Each member of the team that wins 2nd place receives a custom Qiskit Hackathon trophy along with an "Upgrade Your Workspace!" peripheral set.
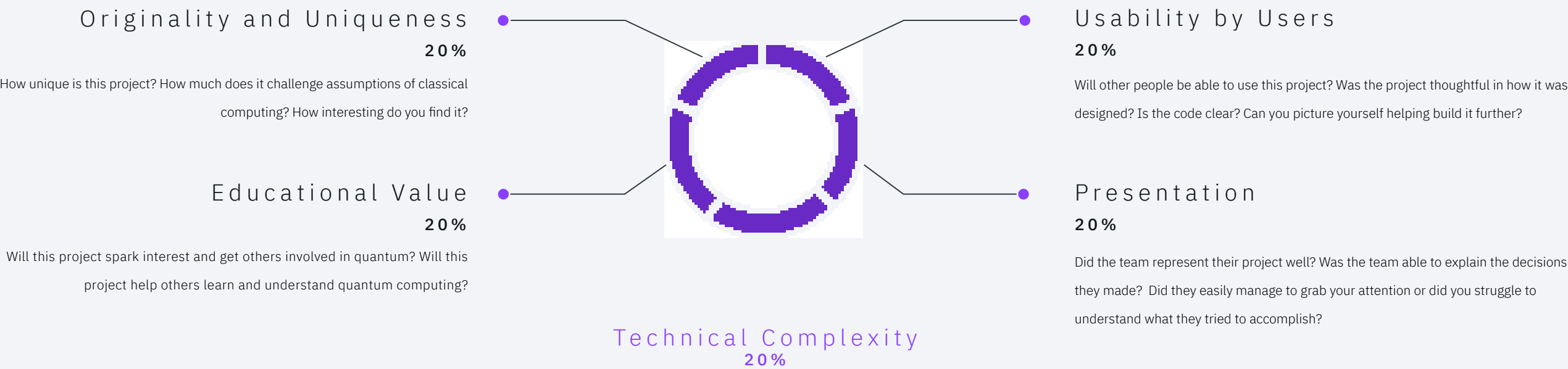
Community Choice Award

Community Choice Award Plaque & Certificate

Selected by fellow qiskitters, the chosen team receives a Community Choice Award Plaque for each of its members.

Project Judging Criteria

Originality and Uniqueness
20%

How unique is this project? How much does it challenge assumptions of classical computing? How interesting do you find it?

Educational Value
20%

Will this project spark interest and get others involved in quantum? Will this project help others learn and understand quantum computing?

Usability by Users
20%

Will other people be able to use this project? Was the project thoughtful in how it was designed? Is the code clear? Can you picture yourself helping build it further?

Presentation
20%

Did the team represent their project well? Was the team able to explain the decisions they made? Did they easily manage to grab your attention or did you struggle to understand what they tried to accomplish?

Technical Complexity
20%

Discord

Discord will be used for all Qiskit Hackathon Global event communications, updates, team collaboration, and more. Most notably, teams will have dedicated spaces to collaborate via text/video, with mentors and support team members available to jump in at any time and join the conversation to provide guidance and support.

Everyone will be enabled to "Ping a Mentor" to get support in their group - notifying mentors directly!

Discord Commands

Once you join Discord, you will be assigned a role. Roles make it easy to notify everyone directly of a need or request with an immediate notification. To send an alert to a specific Role, simply tag the appropriate Role with the "@" symbol.

Aside from direct, text-based chat and meme sharing, Discord has one key thing that make life easy: Commands.

Commands are automated functions that activate a response or operation. In the "Message" field, input your command by typing the prefix and associated command trigger with no spaces. As an example, if you input the command

!essentials

you will get an automatic in-channel reply that provides you with the essential links and other key commands you can use that may be helpful!
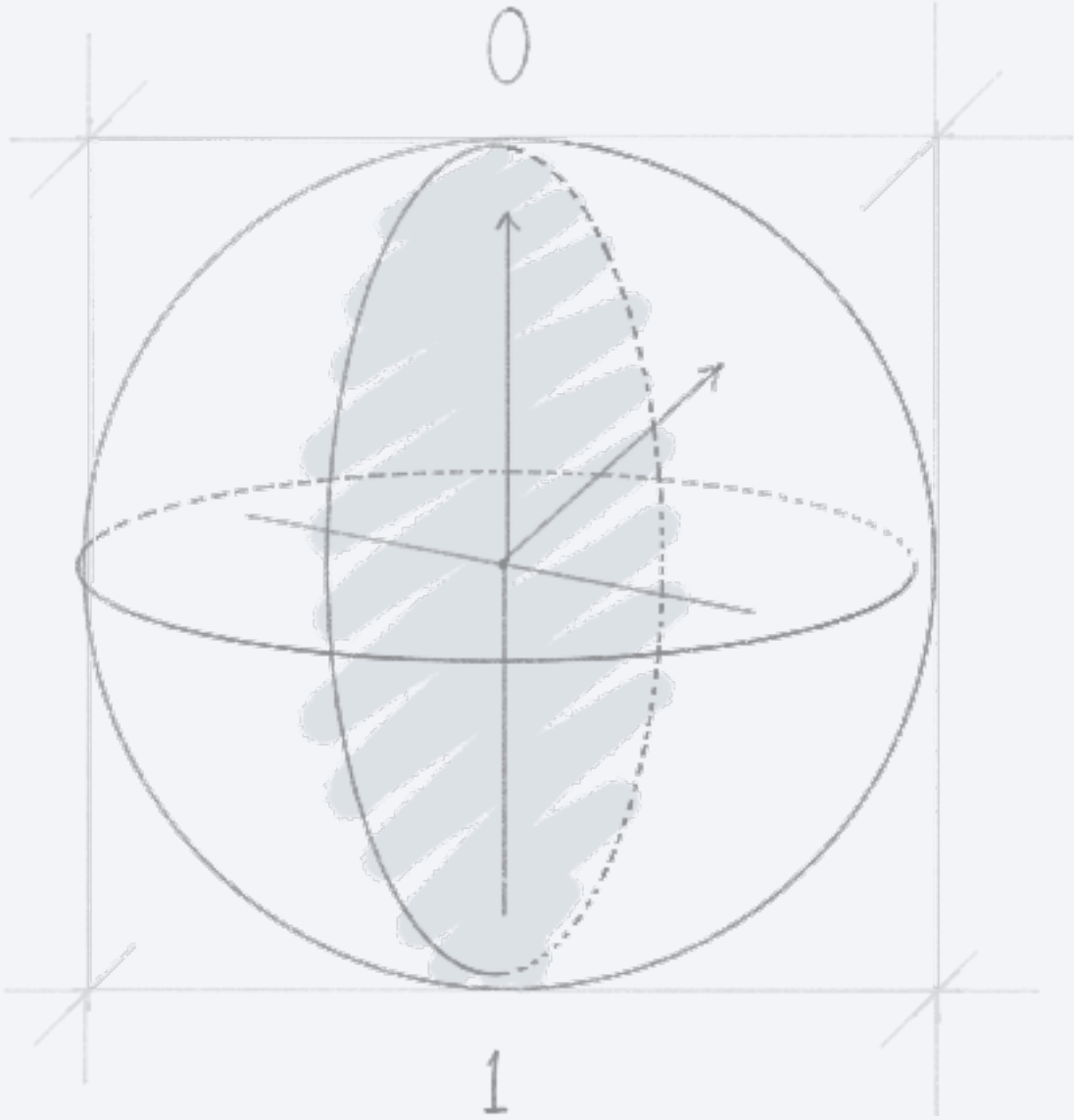
If you input the command

=tex [equation]

with the desired equation, it will automatically render your post in LaTex!

You can find a full list of commands in the Discord, but if you only remember three, these are the ones:

!essentials

!resources

!pingamentor

Resources

The Necessities

Before the hackathon, you will need to install the following software packages:

- Python 3.6 or later
- Jupyter notebook
- Qiskit

You can follow the instructions provided here or watch a video here.

Some Suggestions

Optional resources to install before the hackathon include an integrated development environment (IDE) or text editor for coding. **We suggest one of the following:**

- PyCharm (for python)
- Atom text editor
- Visual Studio Code

Hackathon Resources

- Good First Project Ideas
- Past Hackathon Projects & Winners
- "We Won!" Hackathon Tips from the winning team at Qiskit Camp Asia 2019
- Tips & Tricks: Virtual Collaboration
- Suggested Tool: Anaconda

Qiskit Resources

- Contributing to Qiskit *(required for code contributions!)*
- Coding with Qiskit Youtube series *(strongly recommended!)*
- Qiskit tutorials
- Qiskit textbook
- Qiskit.org

Games on the Brain?

Specifically for making quantum games, we also suggest these resources:

Qiskit for GaeDev toolkit
Pygame game engine
Unity game engine
Godot game engine

See you there!

p.s. don't forget to review the Qiskit Community Code of Conduct before the hackathon!