



Q# Community Roadmap

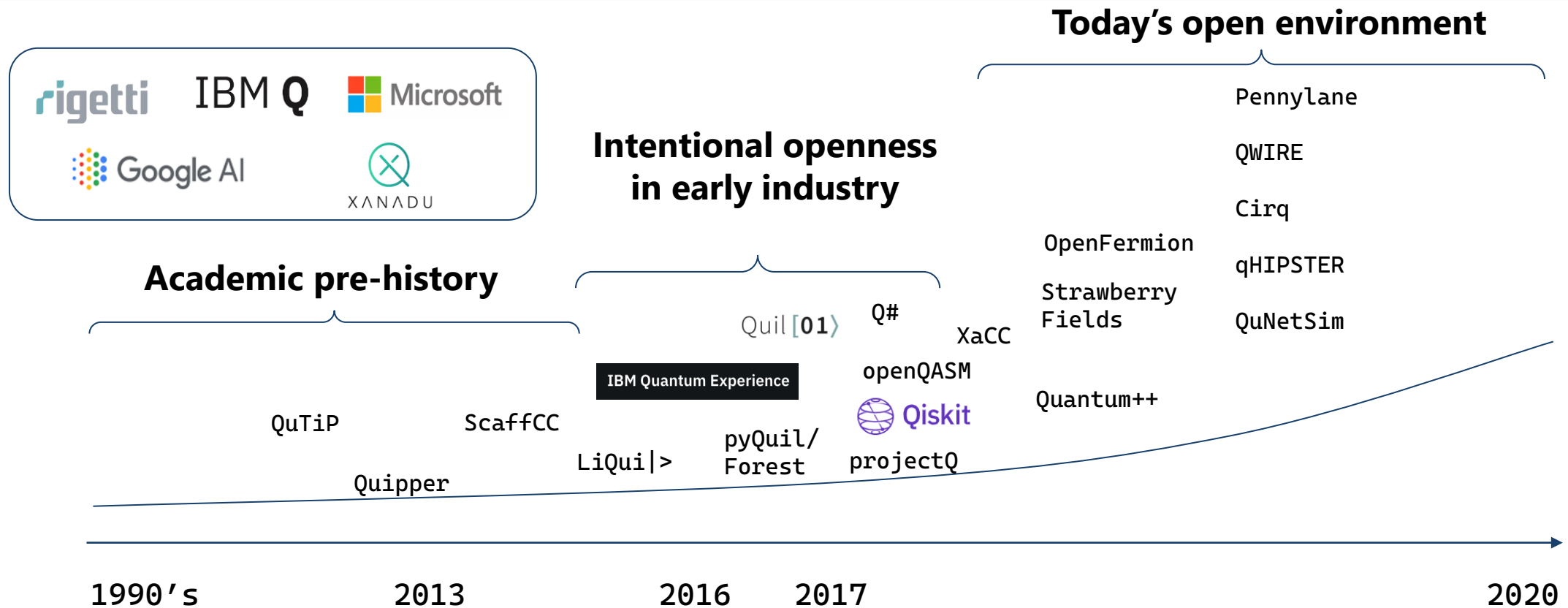
2021–2022



Our mission:

Enable developers to leverage quantum technology today.

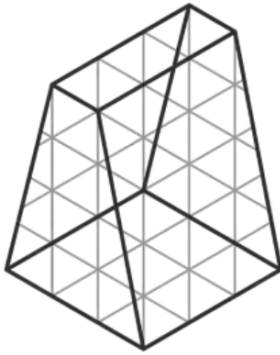
The open quantum ecosystem



* This is a figurative timeline and not meant to be exact or exhaustive

Microsoft Quantum

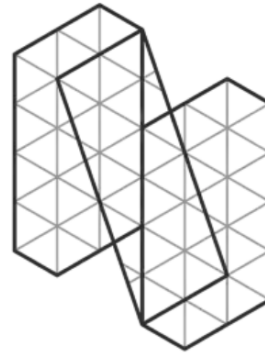
A scalable, open approach to quantum solutions and development



Experience impact today through Azure Quantum

Microsoft is building a full-stack quantum ecosystem, delivered through the power and scale of Azure's global cloud services platform.

[Azure Quantum >](#)



Collaborate with a community of pioneers

Join the growing worldwide community of enterprises, academics, researchers, startups, students, and developers working together to create a comprehensive quantum ecosystem. To build this right, we need to build it together.

[Microsoft Quantum Network >](#)



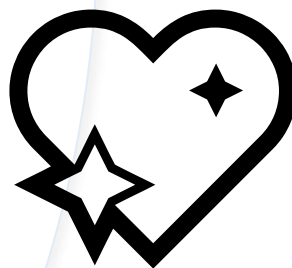
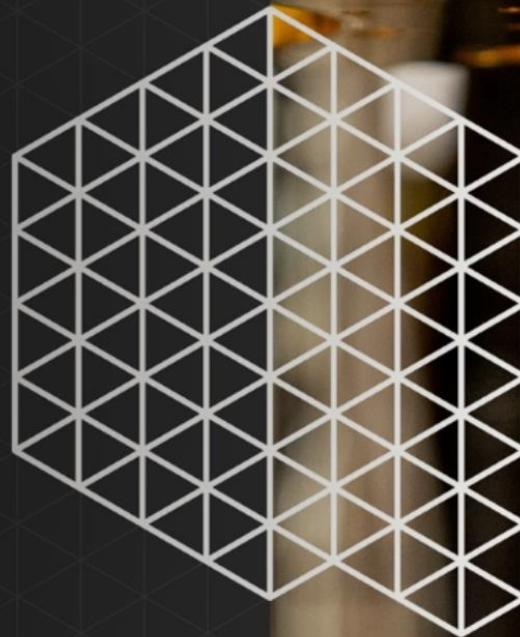
Start building quantum apps today

Bring quantum apps to life with an expansive open-source tool set, deep integration with your favorite development environments, and a growing open-source community.

[Quantum Development Kit >](#)

How we fit in

- Engage and leverage community expertise to help fellow developers explore quantum solutions.
- Maintain great projects that Microsoft teams don't have bandwidth for.



Community Goals:

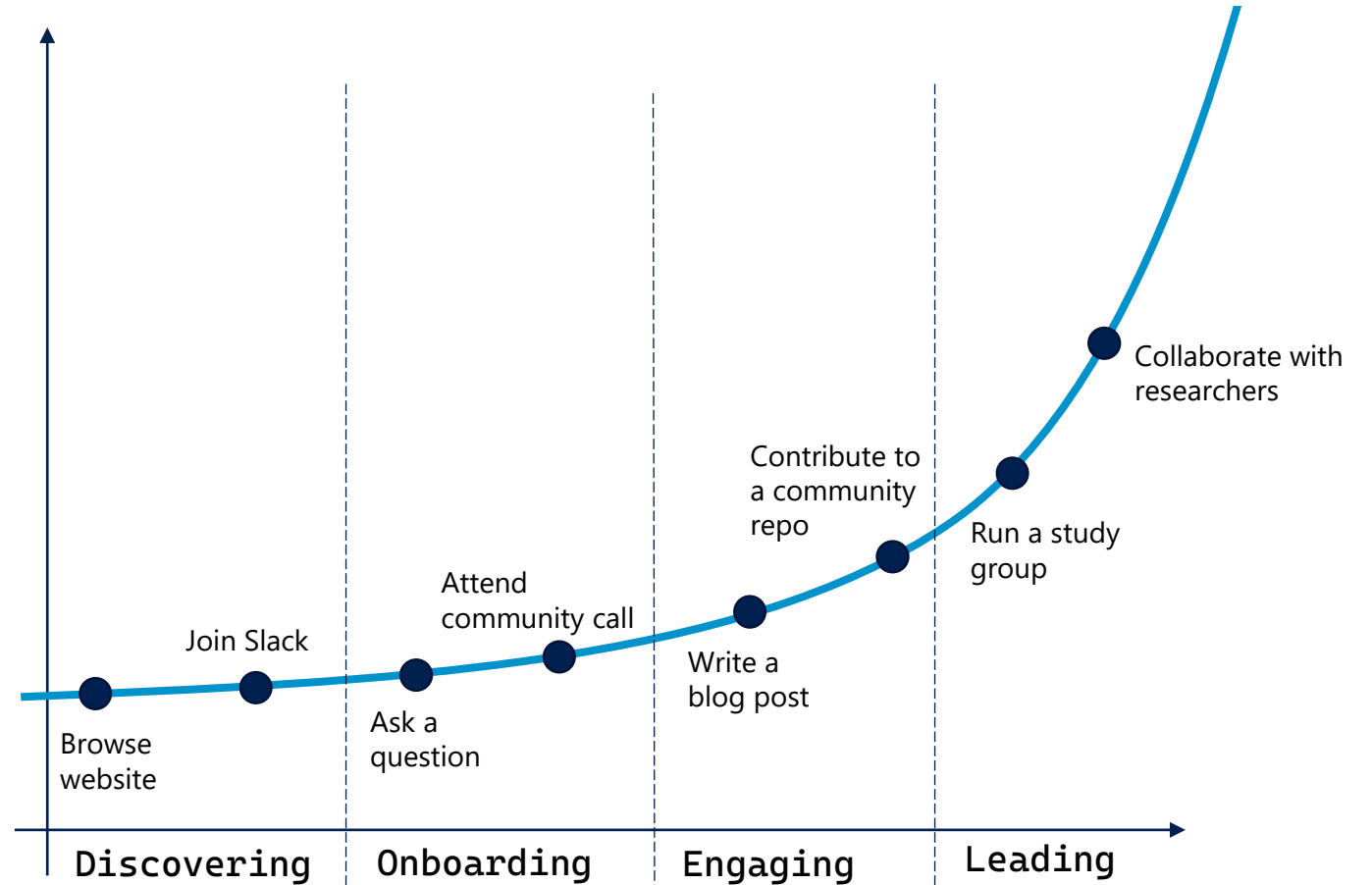
What do we want to do?

Roadmap

2021	+3 years	+5 years
Develop more Q# learning materials	Support community events (hackathons, meetups etc.)	Drive research software partnerships
Encourage community projects and participation	Develop Q# training materials	Sponsor paid opportunities for open source developers
Support community questions	Mentor program for students and new developers	Document case studies of Q# development applications

Creating commitment

[Creating a Community Commitment Curve – Carrie Melissa Jones](#)



Priorities

- Maintain open, welcoming culture.
- Select tools and resources that are free and open source.
- Limit bureaucracy, while creating structure for folks to connect with.

The 2021 plan

OK...R we gonna do this?

O1. Make Q# development easier

KR1: 10 new community blog posts

- Find those writing Q# content and enquire about mirroring or guest posting on qsharp.community

KR2: Create starter content for each platform

- Start from docs, make posts/videos like "Q# for teachers" or "Q# for researchers"

KR3: Collect learning resources and add to website

- Will take some grooming, possibly get awesome list

O2. Support the community

KR1: Create Q# FAQ

- Look through forums/ask members to contribute common questions.
Falsehoods list?

KR2: 10 active members answering questions on forums

- Setup bots to post questions from other sites on community chat for easy discoverability.

KR3: Host monthly community calls

- Can be private or streamed on Twitch, probably 1/month

O3. Grow the community

KR1: 300 members

- Social media and partnering with other open source orgs

KR2: 5 new active community repos

- Solicit researchers or other actively contributing to main repos

KR3: Create sponsored swag for contributions

- Ask for donations to support cost and postage, stickers + socks to start.

How can you help?

github.com/qsharp-community/roadmap

Comment/ Create/ Own

N.B. You can see all the KRs from this presentation in Kanban form on Github!

If you have any feedback about the 2021 plan, please feel free to comment or assign yourself to any KRs you want to drive 🚗

github.com/qsharp-community/roadmap/projects/1

The screenshot shows the GitHub interface for the project `qsharp-community/roadmap`. The page title is "2021 Roadmap" and it was updated 2 minutes ago. The roadmap is organized into three columns representing quarters: 2021 Q1, 2021 Q2, and 2021 Q3. Each column contains a list of Key Results (KRs) with their status and assigned person.

Quarter	Key Result	Status	Assigned To
2021 Q1	Collect learning resources and add to website	make	crazy4pi314
	Host monthly community calls	support	crazy4pi314
	Create Q# FAQ	support	crazy4pi314
2021 Q2	Create starter Q# content for each platform	make	crazy4pi314
2021 Q3	Create sponsored swag for contributions	grow	crazy4pi314
	10 active members answering questions on forums	support	crazy4pi314