#44 Update qiskit-experiment tutorials

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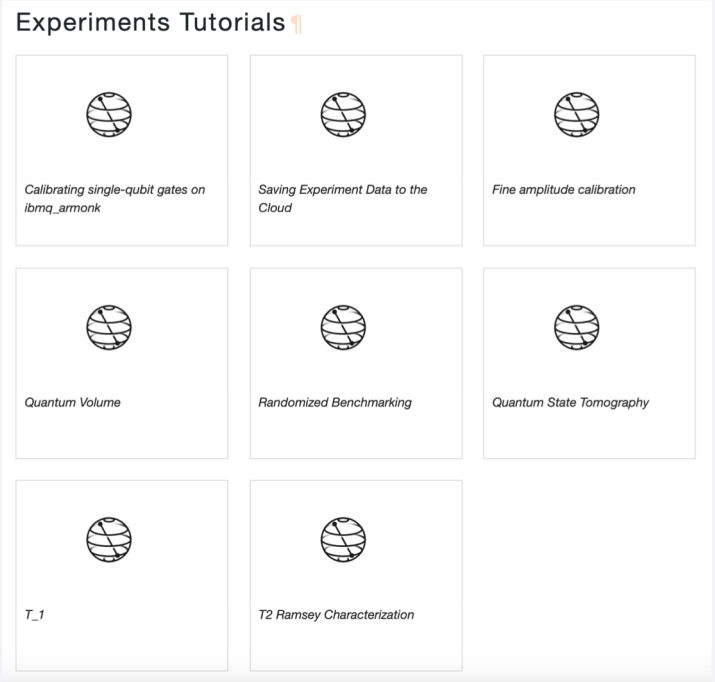
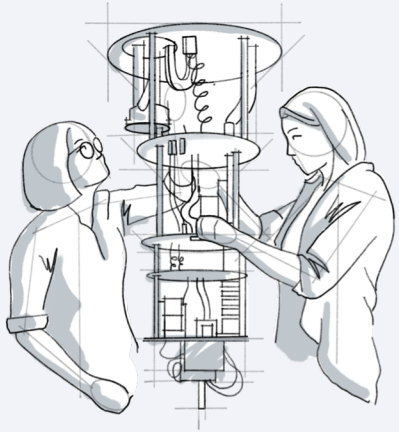
Refactoring Existing and Creating New Tutorials

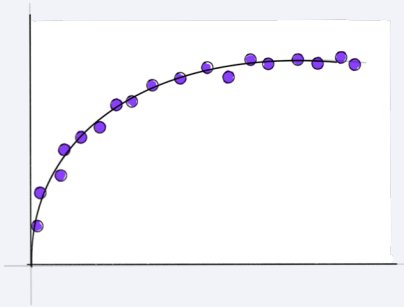
- Regroup and reformat
- Step-by-step progression
- Goal-oriented how-to guides
- Create a new guide plan
- Define the outline
- Decide on prioritization
- Writing the guides



My Journey - Calibration Experiments

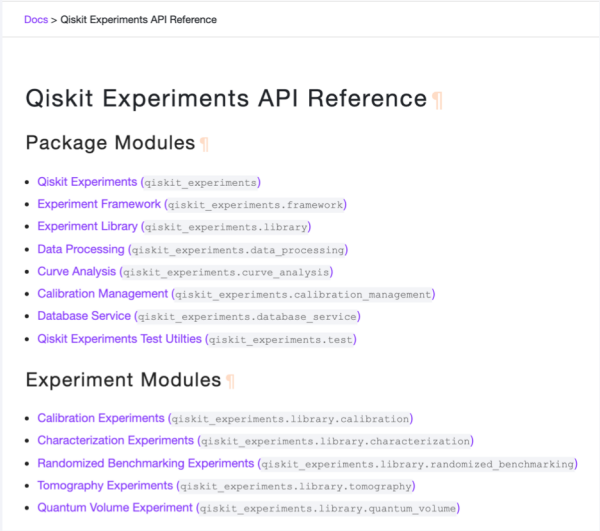
- Not coming from physics background
- No knowledge about qiskit-experiments
- But eager to learn about the underlying hardware





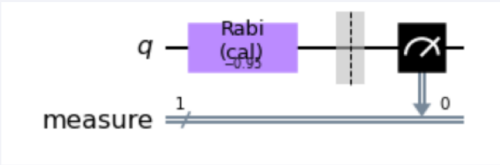
My Resources Along the Way

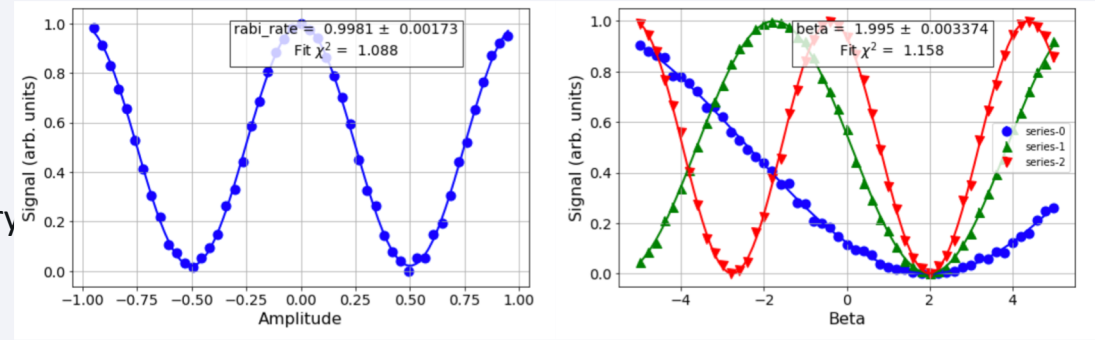
- Qiskit Textbook
  - Calibrations section - https://qiskit.org/textbook/ch-quantum-hardware/calibrating-qubits-pulse.html
- qiskit-experiments API documentation
- My mentor and my teammate answered the rest of my questions



Challenges

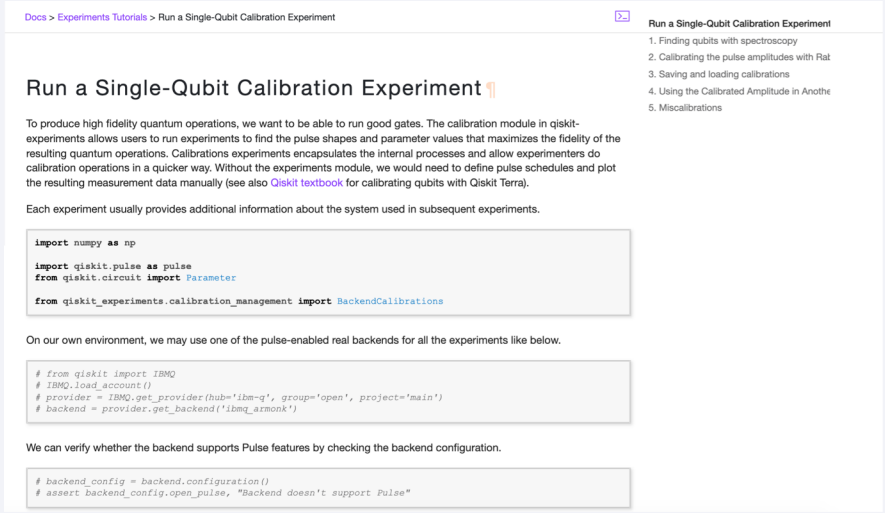
- Biggest challenge was to understand the concept and terms
- Having only one Qiskit textbook page and the API documentation as resources
  - *Suggestions;*
  - More documentation about calibrations
  - Adding some terms to IBM Quantum Glossary
- Refactoring of the module

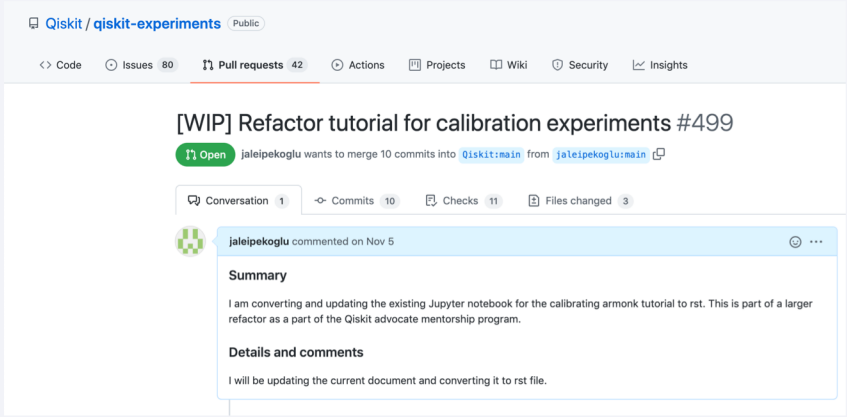




Being a Part of QAMP and What Next?

- Reading,
- Trying out experiment module,
- Learning,
- Working with my mentor weekly
- and having this great opportunity to ask my questions to experts
- *Next;* continue my contribution to the module





Thanks to my Mentor, my Teammates, and to IBM Quantum Community!