

Sprint Backlog Grooming Meeting Minutes #1:

Attendees: Christopher Kverne, Nathan Lioe-A-Tjam, Isabella Anthony

Start time: 01/19/2026 4:00pm

End time: 01/19/2026 4:20pm

The tasks below are completed from the previous week.

- Task 1: Understand the main idea of the QNN algorithm which follows a quantum-classical architecture.
- Task 2: Understand why QNN checkpoints require additional meta-data regarding hardware constraints and how hardware affects pruning and quantization strategies.
- Task 3: Understand why QNN checkpoints can be stored asynchronously compared to its classical counterpart.

The tasks below are created for the upcoming week.

- Task 4: Finalized reading the QNN Need checkpointing paper focusing on understanding the classical-quantum interaction of the algorithm
- Task 5: Conduct literature review on existing work in the quantum field to get inspiration/ identify gaps for future work that is needed.
- Task 6: Begin working on 3 potential research proposals based on the prior quantum machine learning work we just read. It can be focused on the system implementations of the algorithms or theoretical challenges of quantum machine learning.