AI and Quantum

AI for quantum:

- 2024: IBM Quantum introduces [Qiskit Code Assistant](#)
- [2025](#): LLMs automate quantum feature maps design
- [2025](#): Using Shapley Values to explain quantum circuits, towards XQML
- [2025](#): LLMs help eliminate Barren plateaus

Quantum for AI:

- [2024](#): Superposition helps model uncertainty/ambiguity in NLP
- [2022](#): Quantum motion segmentation on par with classical via QUBO

Summary thus far

- HHH
- QML
- VQC
- NN
- QNN
- QNNs
- EC
- HPC-QC
- $$$
- QAI

Current state of things

Summaries of current QML in NISQ era (2024)

- [Short version, 43 pages](#)   2024
- [Long version, 88 pages](#)   2025
- Recommended as "If you only read one thing after today about QML"

doitnow

HPC Services

See you
after tea