



## Quantum Machine Learning Internship

At AT&T we connect people to greater possibility with expertise, simplicity and inspiration. Our Network and Shared Platform Solutions (NSPS) organization is at the center of this purpose. Our mission is to Deliver automation, shared platform capabilities, and viable sourcing strategies to enable cost savings, quality and efficiencies. This role will influence the design and delivery of system automation capabilities across AT&T enterprise architects, engineers and managers across business units within the whole company. It will drive delivery of system automation enablers for key CTO and business initiatives 5G, RAN, 5G Core/NC, FN, SDN, Fiber, ROADM, Win Home. This includes driving towards a single source of truth network inventory platform enabled by leading industry CMDB platforms. This role will be integral in the Network Transformation initiatives driving new strategies, implementation of tooling and leading change.

### Position Summary:

We are actively looking for a motivated student to join our team as an intern, focusing on Quantum Machine Learning. This internship will provide you with the chance to gain vital experience in the design and implementation of quantum machine learning models.

### Responsibilities

- Develop and implement quantum machine learning models, focusing on tasks such as optimization problems, quantum state estimation, and quantum data classification.
- Evaluate and compare the performance of the models developed on a variety of real-world datasets.
- Document your internship project in a detailed technical report or presentation.

### Requirements

- Must be enrolled in a computer science or related field program, with a focus on quantum computing or machine learning.
- Familiarity with quantum computing principles and machine learning techniques.
- Proficiency in Python and experience with popular quantum computing frameworks such as Qiskit, TensorFlow Quantum, or PennyLane.
- Ability to work both independently and in a team environment, with excellent communication and collaboration skills.

**Details:** 3-month contract

**Start date:** ideally June 2024

**Location:** This is a hybrid-flex worker position where our preference is for you to be present with your team in the office at least 1-3 times per week.

More info on [website](#).

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