

Internship at SEEQC (Elmsford, NY)

MS or Ph.D. level students in experimental or applied physics, electrical engineering, or a closely related field.

Prospective interns will be learning to set up the cryogenic quantum test infrastructure for the project, running measurements, performing analysis of the data, extracting device parameters, and characterizing superconducting qubits to provide feedback for the design and fabrication teams. Interns will discuss the data with colleagues to brainstorm the next steps, measurement protocols, and work on cryogenic and room-temperature hardware upgrades.

Desired experience:

- Good understanding of physics and electrical engineering
- Practical experience with electrical test and measurement equipment.
- Attention to details in setting-up and running measurements.
- Ability to formulate hypotheses and verify them through experimental tests.
- Strong programming skills (Python).
- Ability to summarize and present results to the larger team in an organized way.

About SEEQC

At SEEQC, we are developing a world leading fully integrated chip-based quantum computing platform. Our unique chip-scale quantum architecture delivers unparalleled scope for commercial scalability. We have partnered with world-class quantum systems developers, quantum algorithm teams, and visionary enterprise clients to build quantum computers that will herald a new era in computational power.

Interns will have an opportunity to train with our team working on building a quantum computing platform designed to provide solutions for the ground-breaking challenges faced by our customers; from new drug modelling and building longer-lasting battery technologies, to advanced machine learning.

For more info about SEEQC, head to seeqc.com