

## Hardware Team-Internship Patents

### About Qilimanjaro:

Quantum computing will change the world but with current approaches, the true impact of quantum computers lays at least a decade away. We plan to offer true quantum computational power to solve industry critical problems, specifically in the area of optimization and machine learning, in a much shorter timeframe.

The Qilimanjaro Quantum Tech SL startup company is the quantum spin-off from the Barcelona Supercomputer Center (BSC), the University of Barcelona (UB) and the Institute of High-Energy Physics (IFAE) that started operations in 2020 on the back of international customer multi-year contracts.

Qilimanjaro has brought together a great team of scientists with extensive training, knowledge and experience in international labs at MIT, Caltech, Waterloo in Toronto, Stony Brook and TU Delft.

Our integrated hardware & software team focuses on superconducting qubits for gate-based quantum computers to focus on timely and affordable quantum advantage, by designing next-generation analog quantum processors with high quality qubits, which do not require quantum error correction and can therefore be faster-to-market.

### We are looking for highly motivated candidates to join our permanent staff.

At Qilimanjaro we work on superconducting-based quantum computers, both gate-based systems as well as our signature product, coherent quantum annealers.

### Job description:

We're a quantum computer company powered by a diverse team of tech-savvy specialists, delivering fresh and innovative solutions through a unique perspective.

While we have permanent opening for interns, this is a **specific call** for an internship to join in the **study of the intellectual property space** that involves the company.

## Requirements:

- Good command of English language (oral and written).
- Physics degree, preferable in quantum science or solid state physics.

**Any** of the following **skills** will be **valued**:

- Programming in python.
- Electromagnetic simulation software (e.g., HFSS, CST, Maxwell, Sonnet).
- Nanofabrication (e.g. Lithography, evaporation, sputtering).
- CAD design for chip structures.
- Experience in electronics (GHz and radio-frequency domains preferable).
- Cryogenics.
- Former experience in quantum technology laboratories.

Offices: Autonomous University of Barcelona Campus.

Due to applicable legislation, only candidates holding EU citizenship or work permit are eligible.

Send your application at [rrhh@qilimanjaro.tech](mailto:rrhh@qilimanjaro.tech).