

## **Motivation Letter for Quantum Science and Technology Master**

Dear Sir/Madam,

First of all, let me introduce myself, I am Gerard Tort and currently I am studying the last year of a Physics degree in the University of Barcelona (UB). I am writing to express my interest in applying for the Quantum Science and Technology Master Programme starting in September 2021. I am confident that my qualifications and capabilities will fulfil the requirements.

I have always been fascinated for the quantum physics since younger age, reading and searching for articles to know more about this field. My interest in quantum go along with my interest on computer science, which I think that plays a fundamental role in the modern physics and a powerful way to apply the theory of quantum physics to daily-world applications. During my degree in physics in the University of Barcelona, I have been really involved in subjects related to astrophysics, quantum mechanics and computer science, giving me a useful background which I would like to improve, and specially be able to use it to solve real problems.

The opportunity of learning how to combine the quantum science to technology is the main reason I am applying for this Master. I am extremely interested in quantum algorithms and quantum technologies, and I am convinced that this Master Programme would be the best way to get started on them. The high engagement with industry that is offered in the programme and the cutting-edge research groups involved, not only for a Master Thesis but also for a future PhD, are strong points on the programme and excellent opportunities for a near future. I am aware of the dedication and perseverance needed to have the results I wish, and I strongly believe my background and enthusiasm for this Master will qualify me to achieve the best.

Therefore, I am interested on entering the Quantum Science and Technology Master in order to gain knowledge and experience on this fast-growing field. I look forward to your positive response. Thank you for your time and consideration.

Yours faithfully,

Gerard Tort