

Motivation letter to study the Quantum Science and Technology Master

My name is Roger Bellido and I'm a former student of the Physics degree in the Universitat de Barcelona. I finished my studies back in June 2019 and I have been exploring the work possibilities I had as a graduate since then.

My interest in the Quantum field began during my third degree's year and continued in the last one. Beginning with the "Quantum Physics" and "Quantum Mechanics" subjects in the third year, curiosity started to grow as I was learning a new way to understand reality. Then, in the last year, I could see the true applications of those theories through subjects such as "Nuclear and particle physics" and "Atomic physics and radiation". I found especially fascinating how predictions worked out with quantum theory matched so perfectly with observations.

It is by this matter that I believe that this master is the perfect chance for me to widen my knowledge in the Quantum field and the areas of interaction with technology, as how such a different theory can lead to daily life changes or quality of life enhancement.

As a student, I was used to the analytic point of view of Physics, in which theory represents a vast percentage of subjects. Then I realised that all those concepts had really interesting and useful applications, which led my interest towards technology.

Moreover, I find very interesting and fulfilling the applications that Quantum Physics can provide to other fields. I feel it is especially rewarding when the possibilities of Physics materialise into technological advances that can potentially change people's lives or, at least, improve to some extent its comfort.

Another aspect that potentiates my motivation is the fact I have experienced work life in areas outside Physics. This last year I have been involved in a job related to data analysis, in a context frame far away from science, and proved to myself that it was not what I was hoping to do with my life and the knowledge I acquired through the years.

In conclusion, these are my main motives to being determined to study this master's degree.

Thank you for your time and for considering my application.