

Mathematics and modelling have always fascinated me. Even more so when applying them to nowadays problems. I look forward to an intellectually challenging study environment offering me the gateway to growing the necessary skills and learn the best practices in Quantum Computing. I feel excited about the possibility of sharing the path with other students with the same interests and expanding my network to step up my career beside them during our PhD studies.

From a young age, I have felt comfortable with the precision of maths. I enjoyed solving mathematical problems and puzzles and kept developing my skills over time. As a teen, I started to feel attracted towards physics and seeing in them the first approach to applying maths to interesting problems.

In 2012, I began my BCs in Physics. At university, I realised that I was really skilled at programming, and appreciated code-related subjects as an application of mathematics to modelling physical problems. Eventually I started working in an e-Health consultancy in order to pay the university fees and to help with the costs of living at home. Here I kept building sound computing skills and had my first contact with data analysis.

When I finished my studies, I started a junior position at KPMG as a Risk Manager. I got quickly promoted to a senior role and started leading my own projects with small teams. Back then, I was mainly focused in regulatory reporting. Without a shadow of doubt, I took the opportunity to attend the Risk Management Executive Superior Program in the Financial Studies Institute (Barcelona), which I successfully completed. With my experience and studies, I decided to prepare and take the FRM examination, which I passed on 2019 a few months after joining Deloitte as a senior quant Risk Manager, where I have been given the opportunity to participate in all kind of Credit Risk modelling related projects based on statistical techniques.

During my work experience I have come to realize how important is to stay tuned with new developments and cutting-edge technologies. I think that the next big technological revolution will be led by Quantum Computing and I would really love to help with my best efforts to advance in this regard.

Aside from my studies and work experience, I have attended several volunteering services. Helping raise funds for clinical investigation, collecting food for my hometown food bank or clothes for the refugees. The two more rewarding experiences have been collecting, packaging and delivering gifts to children in need during Christmas and leading the Human Tower Team project in my town. Here I took the responsibility for the development and financial health of my team for 4 years, in which we earned an award for our qualitative leap, which decided to share with Proactive Open Arms a local NGO that rescues refugees in the Mediterranean. My last experience has been a project to bring financial education to schools in Catalonia.

During recent years, I discovered a love for travelling. I have been in many European countries, and I have travelled to Morocco and India too, which improved my understanding of other cultures. I have also travelled a lot for work and cannot avoid noticing how meeting new people is opening my mind to alternative ways to face and solve the same problems. That is why I want to build a strong network with other students and professional seeking for excellence in the same fields as I do so we can grow together.

I think that this master will lead me to strengthen and test my understanding of quantum physics, whilst improving and applying my mathematical and programming skills and will prepare me in order to start my PhD studies and research experience.