Christian Jiménez Beltrán
Mathematician and Physicist

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I am a devoted, diligent, and persistent individual who seeks to achieve the greatest possible standard in any given endeavour. Although my prior experience is in the financial sector, I am confident that my strong analytical skills and problem-solving background will assist the organisation in achieving its objectives. I am currently seeking a position where I can utilise my technical skills in Machine Learning and Finance, and become a valuable asset to the organisation that I work for.

🎓 FORMATION

September 2021 August 2022	**MSc Computational Applied Mathematics (Distinction)**, The University of Edinburgh. Thesis : Hierarchical Mixture of Laplace Approximations for Neural Networks. Supervisor : Dr. Antonio Vergari.
August 2015 July 2017	**Master in Economics**, Center for Research and Teaching in Economics. Thesis : Analysis of informality and corruption from the perspective of complexity. Supervisor : Dr. Gonzalo Castañeda.
August 2009 December 2013	**Bachelor's degree in Physics and Mathematics**, National Polytechnic Institute . Thesis : Characteristics of the X Ray tube YXLON Y.SMART 160E/1.5. Supervisor : Dr. Guerda Massillon-JL.

💼 WORK EXPERIENCE

August 2020 August 2021	Financial Risk Manager , AFORE XXI BANORTE, Team head of Market and Liquidity Risk. The primary purpose was to investigate, design, execute and document financial risk models in accordance with the requirements of the regulation. In addition, we would conduct econometric analysis and give analyses of the principal risk metrics (VaR, CVaR, Stress Tests, among others) for various portfolios. Afore XXI Banorte holds a licence to run derivatives, which was attained in part by our team.
November 2017 August 2020	Specialist in Financial Risk Models , AFORE XXI BANORTE, As a member of the Market and Equity risk team. I assisted with the automation of multiple processes involving financial risk models and indicators (VaR, CVaR, Stress Tests, among others). I assisted with the design, implementation, and documentation of models of financial risk.
September 2017 November 2017	Data Analyzer, THESIS CORP, Project consisting of analysing a database of a past due portfolio loans in order to extract pertinent data for the process of collecting payments from the debtors.
February 2017 July 2017	Teaching Assistant , MATHEMATICS, Center for Research and Teaching in Economics, I was able to instruct third-grade students in Python programming. The course covered Python fundamentals to differential equation applications.
July 2014 May 2015	Analytics , INTERALIA MEDIA AGENCY, Analyzer of Web and social media data. Companies' social media and web marketing strategies were developed and implemented. Elements of statistics were employed to assess and establish plans and to provide clients with insights.

🎓 Funding and Awards

2022   Best Student Award for the Computational Applied Mathematics.
2015   Conacyt, Posgraduate founding
2013   Mural Exhibition, LVI National Congress of Physics.
2013   PAPIIT UNAM founding

☰ Competencies

Programming	Python(Pandas, Numpy, Pytorch), R (JAGS, INLA), MATLAB, Java, C.
Development Utilities	Visual Studio Code, git.
Others	LaTeX, Office(Word, Excel, PowerPoint).

🖥 Projects

Github account   2021-2022

🔗 github.com/ChristianJzB

Several initiatives completed during my time at the University of Edinburgh Individual, group, and dissertation projects are included.

`Python` `Numpy` `Pytorch`

</> Languages

English	⬤ ⬤ ⬤ ⬤ ◯
Spanish	⬤ ⬤ ⬤ ⬤ ⬤

➕ Forces

> Problem solving
> Teamwork
> Responsibility

💡 Interests

ACADEMIC :   Quantum Computing, Finance, Machine Learning, Neural Networks and Bayesian Statistics.
ACTIVITIES :   Reading (Novels, Sci-fi), Practice Violin.