

29/11/2023

Dear hiring manager,

I am writing to express my strong interest in the Senior Data Scientist position. With over a decade of experience in data analysis and machine learning, I am eager to contribute my skills to your team.

My background as a data scientist is somewhat unusual: I am a physicist and throughout my education I have worked with semiconductors, manufacturing quantum devices. In this field, theoretical and analytical calculations are complex and time-consuming, and the connection between macroscopic manufacturing variables (temperature, pressure, weight, etc.) and the quantum variables of these devices is difficult to read/explain/interpret. So I started using various machine learning techniques throughout my training to try to model the quantum variables of these devices before manufacturing them. A few years ago, I realized it would make more sense to work directly as a data scientist.

I have a lot of experience and background in statistics, maths and machine learning models. I am proficient in Python, SQL, C++, and Java, and have a proven track record of automating processes and developing advanced machine learning models. My recent work involved forecasting fuel demand and optimizing train usage in São Paulo's transport system, resulting in significant cost savings.

You can reach me at alvarodiego@gmail.com and for more information, please review my online CV at alvarodiego.com.

Thank you for considering my application. I look forward to discussing how I can contribute to your company's success.

Best regards,

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