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London Stock Exchange Group
10 Paternoster Square
London EC4M 7LS
United Kingdom

Dear Hiring Manager,

I am interested in the fixed income data analyst position at the London Stock Exchange Group (LSEG), as posted. Due to my mathematics and computer science background, motivation to continue learning, and analytical skills, I am excited to contribute to your team's success in conducting data analysis of bond data and supporting the FTSE Fixed Income Index.

Throughout my education, I have consistently expanded on my knowledge of mathematics and computer science. I earned stellar scores in mathematics while in high school and college, which occurred due to my interest in the subject and ability to learn quickly. During my undergraduate degree, I completed linear algebra and several statistics courses to further my knowledge after succeeding on the AP Calculus BC exam in high school. Along with my education in math, I also developed an understanding of computer science to earn a minor in computer science and to gain acceptance to the data science master's degree I will complete soon. Some of the skills and knowledge I obtained include python, R, Linux shell scripting, and data structures. These are only a few examples demonstrating my background in math and computer science.

While completing courses during school and advancing my career, I have maintained a strong passion for learning. For example, I added a computer science minor, as I previously mentioned, to add to my degree in health science, which involved taking extra courses outside the requirements for my major. As part of the minor, I independently learned C++ to fulfill the prerequisites for another course. Also, while working at my internship at Avangrid, I took advantage of the LinkedIn Learning courses to gain extra knowledge in Linux and SQL. Those courses improved my understanding of the projects I undertook while in my internship, and they further increased my motivation to learn more. Although I have not yet worked in the fixed income market, I find the opportunity to acquire extensive knowledge in this field exciting. I am eager to learn both before and during my career as a fixed income data analyst. During senior year of high school, I took a college course in economics, and I can use the knowledge I learned in that course along with research and problem-solving skills to succeed in this role. Therefore, my motivation to continue learning will allow me to succeed in the role as a fixed income data analyst, and I am excited for this role so I can continue to learn more about data analysis of fixed-income markets.

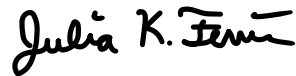
I have improved my skills in conducting meticulous data analysis using a diverse array of tools and sources while completing my undergraduate degree and continuing my education in my data

science master's degree. Many of the projects I completed throughout the past few years involved the analysis healthcare data, sales data, and stock market data. Since the master's degree is not in a specific field, many of the projects I complete allow flexibility in the type of data. During my first semester, my abilities in data science were noticed by some fellow students and a few professors, who asked me to participate in a research class as a research assistant. In this position, I helped create a program that implements many different models and encoders to analyze student essays. We also analyzed the models in our research to demonstrate the effectiveness of natural language processing in essay scoring. Until the end of this summer, I am working a few hours per week to help write the research paper that we hope to publish within the year. As a result, I can use my demonstrated data analysis skills and continue to improve upon my skills in this role to achieve the goals of your team and the goals of LSEG.

I am particularly drawn to LSEG's commitment to lead global financial markets and be a data resource. I would be proud to work for a company like yours that is driven to empower economies, enable the growth of customers, and increase financial stability while maintaining values like integrity and excellence. I am eager to bring my energy, communication skills, motivation to learn, and analytical abilities to your team, which will contribute to the development of new indexes and optimization of existing processes.

My resume provides additional details about my qualifications. I welcome the opportunity to discuss how my background, skills, and positive attitude can contribute to the continued success of LSEG. Lastly, I am planning to move to Buffalo within the year. If I am the best candidate for this position, then I will move much sooner. Thank you for your consideration, and I look forward to the possibility of speaking with you soon. Email is the best way to reach me.

Kind regards,

A handwritten signature in black ink that reads "Julia K. Ferris". The signature is written in a cursive, flowing style with a horizontal line at the end.

Julia Ferris