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Hiring Manager

Pittsburgh Pirates
PNC Park, 115 Federal Street, Pittsburgh, Pennsylvania

Dear Sir or Madam,

I am interested in the Player Valuation Analyst position in your Baseball Operations department. I am currently a senior at Grove City College in Grove City, Pennsylvania studying mathematics with a concentration in actuarial science with minors in data science, analytics, and computer science. Throughout my college career, I have maintained a 3.84 GPA while attaining the Dean's list each semester.

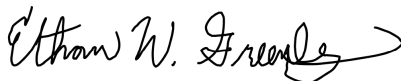
I am interested in this position because I believe that my mathematical and computing background, along with a deep love of baseball, is well suited for this vocation. As a senior in high school I was enthralled with math and when I learned about statisticians in MLB, I became intrigued with the prospect of being able to combine my two great passions into a future career.

Throughout my studies at college, I have deepened my knowledge and understanding of mathematics and computing. I took two semesters of a Theory of Statistics class along with one semester of an Econometrics class that applied the theory to the real world. I have taken classes in SQL, and I am familiar with JSON, Hadoop, and other NoSQL databases, along with learning how to manage big sets of data. In addition to purely computer science classes pertaining to data, I took a business analysis class that introduced me to data visualization and how to use data to make decisions. This past semester, for my math senior project I studied Markov chains and their applications to baseball, compiling data from Cleveland Indians' shortstop Francisco Lindor's shortened 2020 season, finding his expected amount of runs from each base state. This upcoming semester I am enrolled in a machine learning class where I will learn about the concepts and algorithms that enable computers to learn from experience.

During my time working at Bendix CVS, I have learned how to communicate with engineers and other professionals and how to analyze and present data. I analyzed data with many attributes from warranty returns in order to determine common trends that would help to locate the underlying issue for the returns. I have written procedures for others to continue the work I have started, such as finding data in an Access database and adding it to an Excel sheet in order to analyze it. While I was a secretary for my college marching band, I took orderly notes for all of our meetings and worked with my fellow secretary to create a handbook for the band which involved collaborating with all stakeholders to determine details to be included in the handbook, editing and producing a final product for distribution to all band members.

As stated above, I am a passionate baseball fan and appreciate the opportunity to work with the Pittsburgh Pirates organization. If I can be of any assistance during the application process, please contact me via email at EJR100_mid17@yahoo.com or via phone at (440) 657-9860. I sincerely thank you for the opportunity to apply for this position and look forward to hearing from you soon.

Sincerely,



Ethan Greenly