

Cover Letter Hudson River Trading

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Dear Recruiter,

When reviewing your position for the **Software Engineering Internship** with **Hudson River Trading**. On your website, I was pleased to discover that your requirements and needs aligned perfectly with what I can offer as a professional. Therefore, I believe that I am an ideal applicant, and I am also confident that it would be an excellent opportunity for me to grow both personally and professionally.

I first learned of Hudson River Trading through a friend who participated in a finance based Hackathon that your company sponsored; I later developed an idea for a Sentiment Analysis based trading Python bot, which scraped Company stock information from websites such as Yahoo Finance, Fox Business and Bloomberg, then performed trading in a simulated environment (QuantConnect), the machine learning model would be able to read data from these websites and through trial and error would be able to add quantitative weights to each news source to enable better and more accurate predictions. Later through speaking with a friend, I learned that this idea was a huge concept behind High-frequency trading, A field I knew I was ideally suited for due to my degree's intersection between financial markets, mathematics, and computer science. I later went to the Hack the North Hackathon in Waterloo, Ontario, where I met your employees and shared my project idea with them. A Project which I had hoped to complete during the hackathon. I am a Computer Science Student with a strong interest in business and economics, which drew me towards your company, as it is the perfect intersection of Finance, Business and Computer Science.

I have a strong interest in Numerical Programming and machine learning. I have done many projects within the field of machine learning, such as my BIXI (Montreal City bike sharing program) Project, where I utilised concepts from data science (A field of study I hope to pursue into a master's degree) and statistical analysis through a predictive machine learning model which predicted BIXI locations through a regression on data such as weather, time of day, and population dynamics/density and quantitatively weighting each data source too how much it affects the outcome. I ideas I learned through this personal project are why I believe I would be an excellent fit at Hudson River Trading. Furthermore, I have proficient skills in C++, as shown in my Resume.

I hope to hear from you soon.

Thank you for your time

Ayomide Enoch Ojo