

February 9, 2025

Belvedere Trading  
1225 17<sup>th</sup> Street #1800  
Denver, Colorado 80202

Dear Hiring Manager:

My name is Jack Pierson and I am a graduate student at Washington University in St. Louis pursuing a Master's degree in Engineering Management (B.S. Systems Science and Engineering). I am writing to apply for the Belvedere Trading's Junior Quantitative Trading Analyst Intern position in Boulder, Colorado for the summer of 2023. I saw this job posting through the University's Handshake job board. From reading your advertisement, I feel as though I am a strong candidate for the position.

Specifically, my qualifications include:

- **Programming Experience:** I have over 3 years of professional software development experience and have extensive object-oriented design experience utilizing Python, Java, c++ and C#.
- **Distributed Systems:** I am educated and experienced in building distributed systems including storage, index and query systems. Strong skills in building algorithms, heuristics and multi-tiered systems.
- **Mathematic prowess:** Strong mathematics foundation including: Calculus I,II,III - Probability and Statistics, Math Senior Seminar, and Practical Quantitative Reasoning.
- **Abstract Thinking:** Ability to design and develop solutions using broadly defined, ambiguously described problems. Unique ability to identify salient aspects of a problem and translated them into codeable solutions.

I am very excited about the prospect of working for Belvedere. This opportunity, in particular, incorporates my interests in financial markets, data analysis, and education. Working for Belvedere would allow me to apply my analytical, mathematical, and problem-solving skills and matches closely with my long term goals and interests. With my background in economics and engineering, I know I can contribute a unique perspective to realizing innovative technology solutions.

Thank you for considering my application. For any questions, I can be contacted by email at [Do\\_Not\\_Contact@wustl.edu](mailto:Do_Not_Contact@wustl.edu) or via phone 123-456-7890.

Sincerely,

Jack Pierson