Siyuan Xiang

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I am very interested in your Data Scientist Intern position. As a master candidate majoring in Data Science at New York University, I believe my programming skills as well as strong background in Mathematics and Statistics from undergraduate stage in Fudan University fit well with the required qualifications outlined in your job description.

During the course project "Recommendation System for Yelp", I enhanced my ability in translating real-life problems into the language of data science and proficiently using Python and its packages including pandas, numpy, sci-kit learn and so on. Besides, I implemented the matrix factorization algorithm according to paper and blogs. In this semester, Machine Learning and Big Data courses strengthen my capability in improving optimization efficiency with SGD and Boost and capability in dealing with large-scale dataset with Hadoop and PySpark.

What makes me different from others, is that I always want to know "why" rather than just "how". Though I am fully convinced "how" is important in engineering, like tricks for initial values, I believe pursue of essence gives me a higher perspective to understand problems. Why do CNNs work for image recognition as well as playing go and what's the common ground of them? Why do we use cross-entropy for loss and what properties make entropy important? Thinking about those questions help me learn insights from predecessors.

I would greatly appreciate the opportunity to work for Bombora, and look forward to meeting with you to discuss how I can contribute to your team. Please feel free to e-mail me at sx550@nyu.edu or call me at 516-888-0113 at your earliest convenience.

Your sincerely,
Siyuan Xiang