

Binqian Zeng

Candidate for M.S in Data Science at NYU (expected to graduate in May 2018)

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To whom it may concern

I am a master's student at NYU with a major in Data Science. I would like to express my interest in positions including data scientist, machine learning engineer, and natural language processing engineer. By means of data analysis, we are able to figure out the connections between all sorts of matters and better our decision-making in accordance with the analytical results. That is the very reason I am so interested and willing to dedicate myself to data science and machine learning.

I am proficiency in Python, and R. Most of my projects and work are finished in them. Besides, I am experienced in using cloud service like AWS EC2 to reduce the time and effort required to run existing workload. I am familiar with both relational and non-relational databases like MySQL and MongoDB and skillful at ETL and normalization. Additionally, I can leverage Spark and Hadoop to handle big data.

I am comfortable with working both with the team and on my own. I believe that it makes me a team-player and it helps me overcome obstacles with little guidance. Recently, I work as a software engineer for Crypto Investments on building the machine learning model for cryptocurrency arbitrage. Without finance background, I read papers to learn and build the model on my own. The final time-series analysis model takes historical price, sentiments of reports, price patterns into consideration. Last summer, I work as a data scientist intern in IBM. I interpret my model and algorithms metaphorically so that colleagues can understand easily. For example, I explained gradient descent as trying to get close to a diamond (optimal solution) in a dark room. Someone informs you the distance between you and the diamond after each step you walk. If the distance becomes large, you need to get back and walk toward another direction. If the distance becomes small, you can keep walking in that direction. Iterating the process, you will get close to the diamond gradually.

I am a self-motivated learner. Last summer, I learned the algorithms class through MIT Open Courseware. I have a habit to read papers to be familiar with current research related to my work. Recently, I am preparing for the CFA Level 1 Exam in June 2018.

I hope you will consider my resume favorably and consider me for the position. Looking forward to hearing from you.

Best Regards,

Binqian Zeng