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Dear Recruiters,

I am writing to express my interest in this Data Science Internship position for summer 2017 with CDK Global. Working on backend side has always been one of my areas of interest. The superior education provided by Washington State University and my experience in this field makes me a qualified candidate for this position.

Machine Learning is the emphasis of my current graduate study. I have learned different kinds of ML frameworks, such as supervised learning (SVM, Perceptron. etc.), unsupervised learning (clustering, EM) and reinforcement learning. With the ML knowledge that I gained previously, I extended my exploration to structured predication and advanced reinforcement learning areas. For practical experiences in Machine Learning, I have implemented most of the algorithms (in Java and Python) and analyzed what factor would affect their accuracy. I acquired more concrete understanding of those algorithms. I am also working on a project of Activity Prediction with a team recently. This project utilizes supervised learning algorithms to predict if patients can reach their healthy goal (for example, losing 7% of weight in the future month) based on their Fitbit data.

I have always enjoyed coding because it allows me to transfer my idea into real life application. I developed my own note app on Android after the inspiration of using memo (the default note app). Java is my most frequently used language. Coding with java in years gives me solid understanding of object oriented concept. I am confident that with the skill and experience with java, I can adapt to other OO programming language quickly. Git is also widely used, for both version control of my coding project and synchronizing my personal files. In the case where I forget to commit my changes or my laptop is shutting down, I also wrote a script that will automatically pull from and push to the master repository.

My experience and passion about Computer Science in this position well. It will be my pleasure to become a member of the team and my capabilities can be great asset to the team. This internship is also a precious opportunity for me to work with brilliant engineers and enrich my knowledge and industry experience in this area.

Please feel free to contact me any time if you have further questions. I am eager to hear back from you and looking forward to becoming part of the team. Thank you for your time and consideration.

Sincerely,
Yang Zhang