Dear Ancestry,

My name is Qi Chen. I'm a graduate student pursuing a Master Degree in Computer Science at the University of Southern California and my expected graduation time is in May 2018. I have good academic standing and strong professional experience. I have expertise in HTML/CSS/JavaScript/AJAX/PHP, Java/J2EE/Hadoop, Python/ Spark, SQL/Data Modeling and ETL/Data Mining technologies. I'm Interested in the Software Development Intern (Web API and Applications) position which you have advertised in your company website.

During my undergraduate study, I participated in several academic and industrial projects and learned how to collaborate with others as well. In senior year, I took a academic research about resource allocation in cloud data center, and my target is to design a migration strategy to place virtual machines(VMs) to suitable hosts and at the same time tradeoff power consumption of the whole data center and Quality of Service(QoS). I proposed a utilization-based heuristic function to evaluate host's status where the smaller the value of that function, the better status host are under. Finally, I transferred it into optimization problem and use taboo search to optimize our solution. My research paper was published in 2015 IEEE International Conference on Communication Workshop (ICC).

I also have solid background on web technologies and database. In my junior year, I cooperate with another classmates to develop a social networking application. In that app, user can post pictures, comment others' post and chat with each other. I'm responsible for back-end transaction and designing database. At that time, I learned MySQL and J2EE technologies (such as Hibernate, Servlet and Tomcat) by myself and put them into practice. In addition, I took one web technologies course last semester in USC, which let me have more understanding on web technologies such as JavaScript, HTML/CSS and PHP.

Ancestry is the largest genealogy company in the world, which is a network of genealogical and historical record websites. I think I am quiet qualified for the Software Development Intern in your company due to my solid web technologies. I want to become one member of Ancestry.

Thank you

Qi Chen