Rulong Huang

Academic Purpose Statement   09/09/2016

NYU TONDON SCHOOL OF ENGINEERING

Degree Objective: MS Computer Science

Why do I want to pursue a Master degree in Computer Science? I made this decision because I want to expand my fundamental knowledge and develop great system, not necessary to change the world, but sufficient enough to satisfy users' need. Ever since I started my undergraduate courses, I realized that learning doesn't mean only academic materials, but the ability to quickly learn, especially in this field, one has to adopt new technology each couple years.

In my three years of working experiences at NYC School Construction Authority, I have been involved in different projects, giving me the opportunity to learn and coded many real world applications using various technologies.(Such as C# .NET WebForm and MVC, entity framework and repository pattern). One of the most memorable project was to design and implement a new application which allows users to submit a form that will go through server approval workflow steps, using SharePoint and Oracle database to replace the existing one which was built on Rational and Sybase. At first, it was quite challenging since I had limited knowledge of SharePoint, and establishing the connection between SharePoint and Oracle database was not an easy task, but I took the chance to learn. Eventually by using AngularJS, I built the connector which is used for other SharePoint applications, as well as the system in two months. It was quite a pleasure that you receive compliments from business users of the

product which was designed and built by using the knowledge that you learn, and since then, I am eager to learn more and build better application.

In my free time, my partners and I launched a website (www.51voy.com) that provides a platform for users to post their desire trip destination and seek for companies. It started as a light system then we implemented many interesting features on it. Users can now share their traveling stories and communicate with others, as well as a payment system (Paypal and AliPay) is added for verified tour guide to post their trip to attract tourists, so users can book their trip through our platform. Recently the website has been made to be responsive using Bootstrap due to the increase usage of mobile. It started as a small idea, we grow as we learn.

I may not be the person that change the world and make it a better place, but my experiences and skills allow me to me build application that saves people's time and tons of paper work. I wish to learn more and sharpen my skills, and make better products. NYU Tandon School of Engineering has is the best industrial oriented computer science courses in the city. It is the best school for me to study and achieve my goal.