UIUC Essay

When a third grader said she loved mathematics, people said “Let us see once you reach 10th grade”. When the same child reached tenth grade and still did not change her opinion, people said “10th grade mathematics is nothing compared to that of 12th grade”. Finally, when this child is in 12th grade and still stands strong on her passion towards mathematics, people accede to her spirit. Mathematics, computer science and physics have fundamentally built my thought process, my approach towards anything in life and who I am as a person.

My interest in mathematics lead me to take part in many competitions from minor interschool competitions to the International Mathematics Olympiad for many years. This year I have been doing a certified online course for mathematics to help me build my mathematical knowledge. Every year, in school, in the occasion of teacher’s day, the students are appointed as teachers and in other management posts. In the previous year, I was chosen to be the administrative assistant for the principal and in my 12th grade, I was honoured with the best teacher award for my department which was mathematics.

Last year, I did a few courses to develop my analytical skills during my summer holidays. The android course involved the use of the Java programming language to build an application. I did a robotics course which involved the programming and building of an obstacle-avoiding robot. After these, I continued with a course on embedded system this year which included the learning of the physical and technical parts of the Arduino board used in robots, remotes and many other minor electronic gadgets. Aside from this course, I have learnt sound and video editing, Javascript scripting language, basics of animation, and photo editing in school. Throughout all these courses, I was always keen to learn more because it made me understand a little more about the vast digital world, each time.

One of my main goals in life is to discover a way for technological development and an undestroyed environment to be in harmony with one another. I plan to solve this by finding a mathematical balance between the two factors to stop the human world from exploiting the nature more than it must be allowed to.