Mathematics have been playing an important part in my life for a long time. Since I discovered that mathematical proofs can also be elegant and interesting, I have been obsessed with mathematics. It was an obvious choice for me to continue my studies in a secondary school which offers a special mathematics class for its students. My desire to learn mathematics is still unbroken as I want to deepen my mathematical knowledge.
Since I have always tried to do my best and liked mathematics, I have taken every opportunity to enhance my mathematical knowledge. This means that besides my already high number of mathematics classes I have attended numerous extracurricular mathematics lessons. This includes a lesson in my school for talented young mathematicians every week and two lessons training students for the olympiad: one in my hometown (organized by the University of Szeged) and one in Budapest. In these lessons I have seen all sorts of mathematical problems and countless ways of solving them, which gave me invaluable experience. My desire to learn did not stop at the end of the schoolyear, hence I chose to go to several summer mathematics camps. Also, I have tried my skills in numerous competitions. I have achieved a place among the first 30 student every year since 5th grade. Besides standard mathematics competitions I have been solving KoMaL 'B' problems, which is a correspondence competition secondary school students. Because of the diversity of the mathematics competitions I have participated in, I have acquired the skill of solving a problem completely on my own in limited time and dealing with problems in depth over a longer period of time. My greatest success in these competitions was that I managed to write the Olympiad Qualification Competition test so well that I had the opportunity to represent Hungary at the Middle European Mathematical Olympiad and achieved an Honourable Mention award.
The field of mathematics that has most grabbed my attention lately is mathematical analysis. We have learnt the analysis of real functions at school to finally conclude the methods of differentiation and integration. The whole topic is fascinating for me because I find it amusing that even such unnatural attributions of functions like the gradient or the area under the function's graph can be given in such elegant formulas. On top of this, I am also amused by the number of ways that it can be used in. To improve my knowledge about the topic I have started to read some books on the topic.
Since it is the 'closest relative' of mathematics, I am quite interested in physics, too. Led by my interests, I have also participated in physics competitions with remarkably good results considering that I have not dealt with physics too much outside the classroom. The most interesting thing about physics for me is that if I am to solve a problem and I can imagine exactly how the system works, in theory, I will be able to solve it no matter how complicated the system is or which kind of physical laws are required. So, basically, we only need to make the right observations about our world and then it is only the matter of calculation.
I have a few favourite freetime activities besides mathematics and physics. I find languages really interesting and important that is why I have decided to learn to speak both English and German as fluently as possible. I am a member of a 'Debate Club' in my school. Where we learn about the methods of arguing and discussing things. This activity has been really helpful for me because it helped me to learn to express my opinion and understand others better. When my free time allowed me, I used to do sports professionally, including basketball and rowing.
Because of my passion for mathematics I have chosen to apply for a mathematics course. I

want to continue studying mathematics and I want to do it at the highest level I can. I believe that a mathematics degree will help me to have a career that suits me the best.