

Sample of Personal Statement - Engineering

Since I was little, I have known a saying which advocated environmental protection, "We have only one planet." This sentence made me realize the preciousness of the earth, so it has been deeply rooted in my heart. All of us should do our part to save the earth. When think of making the world a better place, I believe the application of engineering is indispensable in our daily lives. Therefore, based on the belief of "save the world", I gradually decided to devote myself to engineering.

There are different branches in engineering, such as civil engineering, structural engineering, and electromechanical engineering etc., but at the end, all the engineering theories should be able to apply on the design of a product and to improve its structure, and this is what I perceived as the art of engineering. I hope studying engineering will allow me to understand different engineering theories and how engineers practically integrate those theories with products. I am most interested in repairing and inlaying elevators, because I found that the process of solving a problem through an engineering solution is very fascinating, and it could also be applied in solving other daily life problems. Moreover, I love studying, especially natural science, mathematics, and modeling design. These are all my research fields and specialisms. In my opinion, only by equipping myself with skills and knowledge could pave the way for my future development.

To broaden my knowledge and understanding towards engineering, I am currently reading "Book of Engineering" by Marshall Bryan. I am attracted by the theory of how "lift" is generated by the "pressure difference" across the wing, and I look forward to learning more about this. Also, I have read "Invention by Design: How Engineers Get from Thought to Thing" by Henry Petrosky. I found that there are always rooms for improvement about designing. I will remember this truth in my future career as an engineer. I believe engineering is the driving force contributes to the progress and development of human civilization, and this is also the reason why I love engineering.

Outside school, I have participated in the "Hong Kong Youth Math Challenge" and won three gold awards and was awarded with the highest score of the same grade twice. I was the school representative in the external math group challenge competition. Moreover, I have participated in the activities organized by "Gifted and Talented Programme", which included one-week summer tutorial classes and lectures, and I learnt a lot and achieved significant improvement in mathematics.

Self-improvement should not be just limited to academic, so I took initiative and joined many activities to enhance my leadership capabilities such as team spirit, leadership, and time management skills during my leisure time. I completed the Bronze Medal of Hong Kong Youth Award Programme, the participants in this programme required a strong sense of teamwork, especially during the outdoor training. This plan not only improved my persistence, but also provided me with valuable experiences on how to get along with teammates with different characters.

Apart from academic and inter-personal training, my greatest passion lies in mountain biking. I have been continuing this hobby for three years. I have developed my interest in the operation and structure

of bicycles because of consistently repairing my mountain bikes. For example, aluminum, a raw material for many bicycles, it can actually be replaced by carbon fiber which is much lighter and stronger. This interest motivates me to enroll in an advanced mountain bike maintenance course after my public exam. I think the knowledge accumulated from the course will be useful for me and also enhance my knowledge in the related field.

Finally, I am looking forward to the coming academic year with the new environment and new people. I hope my interest, knowledge and experience that I learned from the past will motivate me to develop comprehensively in my future study and workplace. I am also excited with the opportunities to acquire new knowledge in an engineering department. I believe that with my academic background, my strong interest in engineering, and outgoing and ambitious characteristics can equip me as a suitable candidate for studying engineering in a university and also to be succeed in this field in the near future.