Computer Science has a huge appeal to me, as I find many of the subjects that get covered by the different modules to be very interesting, especially topics like software design, electronics and artificial intelligence. Computers have been a major part of my life for as long as I can remember, and continue to fascinate me to this day. Electronics and software made such a lasting impression on me that I’ve taken part of developing both. I took Control Systems for a GCSE, which had me creating a circuit board by my own design, soldering components to it, and then programming it via a PICAXE microprocessor. I enjoyed this more than any other part of my time at secondary school.

I have a very strong mathematical ability, achieving an A grade in Mathematics at GCSE and an A in Use of Maths at AS Level, with another A predicted for Use of Maths at A2 and a B in Mathematics (Statistics). Throughout my life, learning Maths has given me problem solving skills which I am able to apply outside of just solving equations. I was disappointed by the result I received in AS Mathematics, and so I have been inspired to redouble my efforts in my AS retakes and my A2 work to achieve a grade that truly reflects my capabilities.

For my work experience in 2011, I worked as a shop assistant for an electronic repair workshop in Hatfield. From there, I got insight as to how the hardware industry works when it comes to maintenance of mass produced technology. From my AS Psychology work, I was able to learn different ways people think and behave, giving me greater abilities in social situations and study. For example, during my tutoring I am much more able to understand and adapt to a student’s learning pattern, making me able to teach more effectively. During the summer of 2013 and the spring of 2014, I attended National Citizenship projects. These projects included residential trips where I got to improve my problem solving skills with physical challenges, and also got to partake in many team building exercises. They also included charity drives designed and performed by the members, so I was involved in creating and running a charity dog walk, which raised over £2000 for various charities. I have achieved both Bronze and Silver levels in the Duke of Edinburgh scheme, and currently in the process of earning my Gold.

When I first had access to Adobe Flash, I learnt ActionScript at the age of 12 so I could construct my own games using Flash. I self-taught myself the Lua programming language so I could make modifications in existing video games and get involved with the modification community associated with those games. I am also proficient in using Javascript, Python, HTML, CSS, and am always interested in learning new languages. My next aim is to learn C and many of its variances during free time in the summer. I have an interest in electronic entertainment, especially creation. Along with 4th generation programming, I’ve taken an interest in hardware emulation, and used much of my free time to study and understand the many concepts and requirements of the task.

For Computer Science, I am very excited and in great anticipation to be able to experience both the university education and life. My skills explained above will provide me well for finishing my A Levels, completing the university course, and achieving what I want out of life.