In recent years there have been a myriad of ground breaking discoveries in science. However, I believe more can be done in neurology as we have a worldwide ageing population with dementia affecting many sufferers and their families. I wish to study neuroscience as I would like to examine conditions such as this but also investigate other aspects of the brain such as neuroanatomy. Having had a close family member diagnosed with Alzheimer's disease, I've been exposed to the fragilities of the human brain from a young age. Even though watching the slow deterioration has been distressing, I have also found it very interesting to see how such a complicated organ can be subjected to such large changes due to a degenerative condition. Because of this personal experience, my desire to study the intricacy and complexities of the brain has substantially increased.

For me to pursue a career in this specific field, I felt I would need to witness the effect of non-degenerative neurological diseases. Therefore, I undertook work as a volunteer in 'ACTi venture' which provides a one-week action course for disabled children. Each volunteer is designated with one child to care for; mine suffering from Autism. At first it was difficult to connect with the child, however, as a few days passed and as I spent more time with him, he could establish some trust in me. Witnessing a child deprived a full life due to a condition we knew little about in terms of treatment was a real eye opener, as I realized there is so much more we can do. As well as this, I gained six months work experience at a charity shop which I attended weekly useful for my self-development. Due to this commitment, I enhanced my time management skills and my interpersonal skills flourished as it was necessary for me to respond well with active customers.

My fascination for science has prompted me to study neuroscience and this can be seen through my AP course choices. Biology has shown me how systematic our human body is, with the brain being the center of all bodily functions. My understanding of biological functions, such as the ionic movements in the nervous system, was improved by studying chemistry and this subject has also given me a chance to develop my laboratory skills. Mathematics has significantly improved my problem-solving skills and as history has long been an interest of mine, I decided to take this subject to fully appreciate modern day society and its origins. The books of Oliver Sacks have appealed to me and furthered my interest in this field. The mysterious cases in 'The Man Who Mistook His Wife for a Hat' opened my eyes to how the brain can be affected in a variety of ways, despite the paucity of these conditions.

Being active is extremely important to me. I've captained my school tracking team as well as occasionally captaining the senior teams at club level. This strengthened my team building skills as I had to take control of unanticipated situations thus enhancing my abilities as a leader and a significant team player. In my high school years I played an active role in the coordination of my year group as I was one of few prefects and a selected member of the green council.

It will never fail to surprise me how humans have made so much progress in understanding something as vast as the solar system, yet we still have not fully understood our brain; something which is so directly relevant to us. Therefore, I would like to pursue a career in research after my degree as I believe we need to gain a clearer picture of our anatomy. For us to comprehend the full potential of our mind is challenging but I believe I am more than ready immerse myself into the rapidly developing neurological field