

My constant desire to unravel the tangled fabric that holds our universe together and to understand the causes ~~everyday normalities may be more accurate...~~ behind everyday abnormalities is what attracts me to physics. ~~My interests aren't focussed on any one field within physics such as Aeronautical Engineering or Particle Physics; instead I have a genuine interest for all fields of physics and engineering disciplines.~~ ~~From the empirical to the esoteric, the breadth of physics inspires me.~~ ~~knowledge is by definition truthful~~ This seemingly endless quest for true knowledge and my aim to better the ~~world to a high degree,~~ ~~my belief is that physics will help me realise this aspiration~~ has led me to believe that studying Physics at a higher level is the next step for me to take.

Before studying A Levels, I was always ~~actively~~ absorbed by physics with a respectable level of understanding; ~~perspective on the principles of the science~~ ~~give example~~ further going on to A Levels has changed my view of the subject in a completely diverse way. Studying maths at A Levels has been a great asset going into physics ~~but has also, ultimately, improved the skills I have at hand.~~ ~~whilst further establishing my core skills~~ Moreover, my choice of studying philosophy alongside physics has proved to be a superb one. I enjoyed studying ~~philosophy and believe~~ ~~philosophy and physics are subjects that go hand in hand, the reason I say this is because~~ ~~I like this link~~ ~~the subject absolutely~~ changed my way of thinking- forcing me to think outside of the box and justifying my own reasons for doing so, and questioning my decisions. ~~Many people go into physics, undecided when it comes to career choices they lack the passion and diverse skill set I possess.~~ A physicist should think outside of the box if ~~THEY are~~ he is to be successful in aiding our understanding of the universe and better our way of life.

In my pursuit for knowledge, I have read widely to better my understanding of physics. One book I have read and enjoyed by the acclaimed physicist, Roger Penrose - 'The Road to Reality'. This helped me explore the wide expanse between physics and maths, I have also enjoyed 'The Honors Class: Hilbert's Problems and Their Solvers' by Benjamin H. Yandell. Reading these have further enhanced my understanding of maths and physics in the modern world. Moreover, I am an avid reader of 'New Scientist' magazine which keeps me up to date with the world of science. Apart from this, I attend lectures- when possible at my own college or at universities, for example Dr. Van Reeth's lecture on anti-matter. ~~Give your perspective on the lecture, or something specific you learnt~~

I have taken part in an Entrepreneur Day scheme whereby a group of like-minded individuals would set up a business, with the goal of working together as a team to make the most profit- ~~enhancing my teamwork skills~~ ~~proving myself to be able to work as part of a team.~~ I have also played for my school's Cricket team and competed in the Brent Cup. I have practised Kick Boxing for many years as a way to relieve stress and to play competitively. Other interests I have are in computers, be it hardware or software. I love to code in my spare time designing websites or programs as well as 3D modelling. ~~very useful skill~~ ~~Could mention time-management skill too~~

In 2007 I volunteered to give a lecture to classes of year 10 students- on projectile motion and nuclear physics as ~~demonstration~~ ~~developed my communication and presentation skills~~ well as a ~~brief demo~~ on particle physics at CERN. This ~~proved I could work independently and as part of a team.~~ ~~enabling me to engage with the industry~~ I have decided to take a gap year before attending university, this way I get a first hand feel for what I will ultimately ~~want to do in my career~~ and am financially securing myself to an extent. I hope to have an engineering placement with the Defence Science and Technology Laboratory (DSTL) which is an agency of the Ministry of Defence. This will challenge me and broaden my horizons immensely. And I have plans to retake some of my A2 exams to prove to myself I am capable of achieving the highest standards. I truly believe I am an ideal candidate to study physics as I have a genuine passion for it, am able to think beyond the norm, possess a model skill set and I am committed. ~~I endeavour to~~ ~~in pursuit of becoming~~ And I am sure, I will overcome any challenge, ~~and become a successful and notable~~ physicist.