
The Reasons I Have Chosen To Study Computer Science At University

I have chosen to study Computer Science at university as it will help me to fulfill my ambition of mastering the subject and to hopefully gain employment in the field. I have a keen interest in computing and I firmly believe that Computer Science will play a major role in the future as we can already see it revolutionizing several industries and the way that we live our lives.

My interest in computing started when I chose Computer Science as one of my GCSE choices. I thoroughly enjoyed the subject and decided to continue my study by taking it at A level. For the first part of my GCSE coursework I had to code a calculator by strictly using the programming language "python" which initially seemed a little daunting and confusing, but I gradually began to enjoy it so much so that I started learning it outside of school in my own time. This additional learning proved to be very beneficial as it significantly improved my performance and understanding whilst completing the task.

As I progressed to A level I was given freedom over what I could create for my coursework and I chose to create a website that provides the user with live real time prices of currencies which can be used as a tool for people in the finance sector. I choose to create a website as it has always been interesting to me how you can start with a blank notepad document and produce something used by so many people. For this project I had to research and learn several new languages including 'HTML' and 'CSS'. I understood whilst doing this project just how complex and in depth the programming behind a website can be, I had to learn completely new concepts to me such as creating a style sheet so that i did not have to repeat code for each individual page, and how to create a database to store login information. While learning these I discovered that my previous knowledge from GCSE helped in making the transition to a new language much smoother and easier. I enjoyed how I was able to use knowledge from one programming language already learned to help progress in an entirely new one.

Outside of school I like to spend time learning other programming languages through reading books such as "The C++ Programming Language" or websites such as Code Academy so that I can extend my knowledge in various aspects of programming. I also have some experience in the hardware side of computers as I built a computer myself from parts instead of buying an already built one. These both saved me money and proved to be an enjoyable challenge. During the last summer holiday i started working for my local One Stop store, this has helped greatly with my communication skills and has given me a valuable sense of responsibility which I can bring with me to future careers.

Since I began studying Computer Science I discovered that I have a skill for problem solving and logical thinking, therefore studying for a degree in the subject seems like a natural progression for me as it will utilize these skills whilst also being a subject that I know I will enjoy. I am hard working and have a real enthusiasm for the subject. I enjoy the challenge of puzzles and problems and finding the solutions to them. I am always ready to learn and I enjoy working as part of a team but equally I can work as an individual. I am dedicated and focused and always willing to do my best. I believe i have the necessary qualities to become a successful university student.

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