Student Name
Career Paper
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Block 3

The Language of Computers

The modern world depends of computers. Computers help us do everyday tasks. Students type papers. Business men prepare budgets. Teachers enter grades. What makes computers work? Computers work because a group of people called software developers give them instructions in a special language that only computers and developers understand. It is a magic world that many people will not enter. Some of the brightest minds on the planet make up this career. I want to learn the language of computers and enter that magic world. I want to make the computers work.

Computers work on a series of one and zeros. Their processors "think" in yes's or no's, millions of them. A program called a compiler takes words and translates it into these numbers called binary. The words a compiler takes have been carefully selected and developers have to know which words to use and what those words mean. There are many different languages of code and many different compilers. A specific compiler runs with a specific coding language. Coding languages are immensely complex and even the slightest error could throw off an entire program. I wish to learn some of these languages and develop software. I have played around with a language called BASIC. It is exactly what it sounds like: basic. Writing in a language like Objective-C is much more complicated. There are many different elements that comprise it. There are different files that need different code, if you write in one another will need code to correspond to it.

Software development is a very important industry. People all over the world rely on software developers to make their jobs doable. Software developing a job that will never go away, people will always have to tell computers what to do and how to do it, if this changes we have a problem. In some areas the annual salary of a new computer programmer is over $60,000. Experienced developers can bring in an annual salary of $150,000. The average annual salary falls at about 100,000 in some areas. That is a good amount of money. The average income in the state of California (where the afore

mentioned salary estimates come from) is $50,000 to $59,000 according to the 2011 census. According

to the bureau of labor the job market for computer programmers will increase by 22% by 2022. This

puts me at an ideal time to pursue a career in this field.

I have always loved computers. I enjoy working on them. I understand how they work and I was

always able to, from an early age, make them do cool things. I used to play around with Microsoft word

and Power Point on our old desktop computer to see what cool effects I could make. Computers have

always felt so natural to me. I have played around with the BASIC language to some success and I really

enjoyed playing around with BASIC. It really felt great when I made a program that would work. People

say that if you love your job you never work a day in your life. I want to love and I can't think of anything

that I would love more than to develop. I love the feeling I get when I make a program that works, it is

the best feeling in the world. I want to take it a step further and become a computer programmer.

Computers keep the world spinning. Imagine if all of the computers in the world suddenly

stopped working. The world would fall in to turmoil. Think about people's reactions to what they

thought would happen in the year 2000. Application software developers are tasked with keeping the

world running and providing businesses with the software to keep their business running. The field is

expected to grow a lot and there is money to be made. I want to make the software that in thirty years

people will not be able to live without.