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## Field Report

In the computer world there are many different fields that can be studied. Some of the specified fields are computer science, software engineering and informational technology.

Computer science is the study of computers and computational systems. This deals mostly with software and software systems which includes theories, designs, developments and applications. The areas that are studied in computer science involve artificial intelligence, networks, security, and database systems.

Software Engineering on the other hand is responsible for the development, design, testing of software and systems that allows computers to perform many applications. In order to become a software engineer, a strong set of skills in programming is needed. Software engineering focuses more on developing, analyzing and solving programming problems rather than writing code itself.

In regards to Information Technology also known as IT, is the use of computers, networking, storage, and infrastructures. Informational technology is typically used more in enterprise operations rather than in personal or entertainment technologies.

There are many fields within Computer science. Three in particular are Computer programmers, Web developers and Database administrators. Computer programmers write codes which allow computers to run applications. They often work with software developers and engineers, which allow the programmers to fine tune the coding to make sure it works as close as possible to what it is designed to do. Web developers design websites that we use on an everyday basis. They are the ones who are responsible for the sites' visual presentation, interaction, and capacity. Web developers use languages like JavaScript, HTML, and CSS in their websites to

give them their full functionality. Last but not least are the Database administrators. Database administrators watch over an organization's information to help prevent system leaks. This particular computer group is also responsible for optimizing data accessibility for the company and protecting digital property from hackers. They protect the databases by backing them up and putting in a very tight internal security measure. They are basically the gate keepers to the databases.

I am most interested in computer science in specific to computer programming. My goal is to create programs that will run big corporate companies such as Arthrex. Arthrex is a biomedical company that makes instruments and surgical parts. On another note, I would also like to create apps for smart phones and maybe even try to design a game. Hopefully once I am done with my degree from Florida Gulf Coast University I will be able to pursue my goals.