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Fields Report

Software engineering refers to the design and creation of software for specific purposes, created through engineering processes. Information technology (IT) refers to the use of computers to retrieve, store, send, and use data. Computer science however, involves both theory and actual practice of computers that has a much more broad approach.

One field of computer science is software developing. Software developers develop software to be used for specific purposes, or could develop the systems that run the devices, such as operating systems. Computer science is used in software development to help design the program and find the easiest/most efficient solution to the given problem.

Computer systems analysis is yet another field in computer science. A computer systems analyst study a business's/corporation's computer systems and design ways to streamline their efficiency. They use computer science by knowing how computer's interact with one another in a system and how to make them work as effectively as possible.

One final field of computer science is computer and information research science. Computer and information research scientists develop new solutions to existing problems in both software and hardware. They use computer science by creating new algorithms and improving on existing ones.

The field I am most interested in that relates to computer science is blockchain technology. Blockchain technology is still a very new breakthrough, and is currently being widely used in crypto-currency. Each different crypto-currency is distributed by their respective company and each has their own purpose. Although blockchain technology is currently, for the most part, only being used by crypto-currencies, there are still quite a number of potential uses in the future. I would incorporate computer science in this field by theorizing how blockchain could potentially be used and mapping out how to make that theory concrete.