Fields:

Computer Science: According to *Computer Science Illuminated*, Computer Science is " sometimes defined as "the study of algorithms and their efficient implementation in a computer"" Computer Scientists are able to process information in computers.

Software Engineering: Software Engineering is applying technological knowledge to design, implement, test and maintain software. Typically, software engineers are employed to create applications that help the employer, in most cases to organize. They can also update and maintain existing applications. So, software engineers must be able to understand many programming languages in order to create these applications.

Information Technology: Information Technology is a broad field but it is typically defined as an "application of computers to store, retrieve, transmit and manipulate data". Basically, information technology is anything that involves computer data and information. It is up for the person in task on how they manage with that information that varies.

Careers:

Software Developers (systems): Basically, the task is in the name. Software developers are the ones that create a software program. Specifically for system software developers, they create systems that keep computers running smoothly. They design the structure of a large system. They incorporate computer science by learning systems development life cycle. They use this process for planning and implementing their system.

Computer Programmer: Computer Programmers write and test code. Their task is to write a code that helps the functionality with a computer. Computer Programmers must be able to understand multiple programming languages. It's as simple as that. Their sole purpose is to create a code that helps a computer function properly as well find mistakes in codes if they are wrong and update codes to improve their functionality.

Computer System Analyst: Computer System Analysts analyze computers current systems and create solutions that help those systems run more efficiently. They utilize techniques like data modeling to design systems.

- I'm most fascinated of computer system analysts because they have to calculate various components of a computer system such as memory and storage. They also have to create diagrams on the organization of the system. It's cool that they are sometimes called *system architects*. Architects plan and design the construction of building and the analysts have the same job just with computer systems.