

Fields Report

Information technology essentially use the work from software engineers and computer science individuals to put them together in order to construct larger systems to solve problems a business would encounter. Information technology is a field that is more social than computer science and software engineers, in the sense that they are more likely to work with individuals in other fields and interact with clients. Computer science is centered around the why behind computer programs, in the sense where they are concerned with the software and how they and why they can be implemented. Lastly software engineering has a more hands on approach in the development of the software and the overall life cycle of how that software is built and maintained compared to computer science or information technology.

The fields of computer science are diverse, although three fields are software engineering, graphics and artificial intelligence. The field of graphics has become renowned because of its participation in making animated movies and special effects. Graphics itself have has several topics such as data visualization, which implements computer science by making it simpler to comprehend and analyze intricate data. The field of software engineering depends on some of the effort from the programming language communities. This field in particular deals with the construction and use of software. This field is typically used to ensure that code is able to be used efficiently by others, while also keeping a focus on designing and working on large scale projects. As programs tend to grow larger the difficulty of managing them elevates in unexpected ways that software engineers must come up with solutions for. Software engineering can be referred to the problem solving field. Artificial intelligence covers a widespread array of topics. From planning and locating solutions, by designing programs in order to identify and solve problems in medicine. This is possible from complex algorithms, that store data and scenarios the program can recount in order to make live time decisions.

The field of computer science that I am most interested in is software engineering. the fact that that software engineers in a sense bring the functionality to computers and technology as a whole. We have to design, develop and test the software and systems that allow computers and technology to run the functions that preform. We analyze the wants and needs of the user. We bring everything to life and make the usability so that individuals that are not fluent with technology and programing are able to use the technology. The challenge of tackling problems that will in a sense have a possibility to make life easier and more efficient for masses of people is a concept that draws me the most to software engineering in specific. The fact that the only real limitation to software engineers is their imagination and creativity is what excits me the most because there is virtually no boundraies or limitations and you have the ability to create and improve. There is never a ceiling just aa race to see who can go higher.