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Fields Report

Computer Science, Software Engineering, and Information Technology are all fairly similar fields of study, with slight differences. They all follow the same basic principles, but they differ on the way that they apply these principles in their work.

Computer Science is a very broad field, studying the basic and advanced application of computers for many things. This field not only studies the technical use of computers, but it also follows the abstract and conceptual areas of computers. Software Engineering is a study which applies various engineering principles to the development of software. This can be anything from making a calculator to developing a video game. Information Technology differs the most from the three. Information Technology does not typically develop software, they only use it. They use technology developed by others, to be applied to their client's businesses. This can be anything from making a virtual presentation for a small business, to setting up and maintaining servers for a multimillion dollar corporation.

As far as Computer Science goes, some of the major fields within it are Software Development, User Interface Design, and Security. Software Development is perhaps the most popular field of Computer Science. It refers to the development and maintenance of applications such as Facebook, Google, Photoshop, etc. User Interface Design houses many Computer Scientists who's main goals are focused on providing the user a more pleasant and intuitive experience while using whatever application was design by their own Software Developers. Security may not seem as glamorous as the others, but it is surely as important. Cyber Security professionals work both in public and private sectors, protecting valuable information, from

those who would steal it otherwise. These Computer Scientists use their knowledge of software to design systems which maintain and protect sensitive data.

I would have to say that I am most interested in the field of Software Development. I have always had a very strong drive to create things, whether they be simple and small, or elaborate and "over the top". Seeing the possibilities in this field are what drove me into it, not the money, or the esteem that some might see in this field. I simply want to create things that I can be proud of, whether they are simple or not.