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Fields Report

In this modern age, technology is booming. There are a few important technology related fields which are computer science, software engineering, and information technology (IT). While all three share some aspects with one another, computer science is mainly focused on algorithms and designing applications whereas IT is more focused on networking, troubleshooting and the business side of things. Software engineering is difficult to differentiate from computer science as there is a significant overlap between the two. Computer scientists seem to focus more on designing and testing theories and software engineers use those theories to design programs. I have volunteered in the IT department at my local hospital back home. In my experience working there I was mainly responsible for putting together computers and setting them up to make sure they're working properly. I also had to do some simple troubleshooting for the people working there which just required basic computer knowledge.

There are also fields within these three fields. One field is computer programming, computer programmers take designs created by software developers/engineers and turn them into workable code. Another field is web development which is a specialized type of computer programming. Web developers can either focus on front-end coding which focuses on the appearance of the website and user experience, or they can focus on back-end coding which focuses on how the site functions. Another important field is cybersecurity. There are different types of careers to choose from within cybersecurity, but all of them deal with protecting online

data from hackers. With the increased number of hackers there is a growing need of cybersecurity professionals. All in all, there seems to be a limitless number of things you can do through computer science. With technology continuing to grow the number of job opportunities can only be expected to grow with it.

I am overwhelmed with the possibilities and different career paths you can take with a software engineering degree, so I am unsure with what field I am most interested in. After doing research for this report, cybersecurity seemed to spark my interest the most. There seems to be a lot of need for cybersecurity professionals. Government, military, medical, financial, and corporate organizations are storing insane amounts of data which requires a lot of security to protect. I read that as of now it is a very competitive field to get into but with the rise of hackers it is expected to grow tremendously.

Report Report

I pretty much just followed the same process I would take when writing an essay for Comp, or any of my other classes. I did a lot of research before I began writing using the sources provided on the assignment page to make it seem like I know what I am talking about. When it came to write this report, I used the skills I have learned in my composition classes to help me organize it and make it readable. I decided I wanted to separate the different points that the report required into separate paragraphs, so I wasn't talking about the different fields of computer science and the field I was most interested in, in the same paragraph. I had to use some critical thinking and elements of information literacy when it came to decide what specific information to include in the report. I tried to keep in mind who I wanted to be writing this for. I wanted to

make my target audience someone who wasn't as familiar with the fields of computer science, so I tried to fit in some basic terms in order to make it easier to understand.