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Field Report

Computers is the hardware that has made our lives so much simpler, from storing data to running the simplest of tasks computers have become essential to our everyday lives. With the demand in new software and new technologies it has opened a completely new field of work. Computer engineers are in high demand and are projected to continue growing over the years. Software developers are people who are able to take instructions and write them in a language that is understood by a computer. There are many different programs that each have their own unique language and are used to make different types of programs. There are a variety of fields in computer science and each contain different types of jobs and roles. A large field of computer science is Software Development. Software developers work for companies that are focused on tech such as google or Microsoft. These people have the creative minds to turn real world instructions into a set of instructions that are understandable to a computer and they help create programs that allow people to do specific tasks. Another large field of computer science is Cyber security. A cyber security engineer deals with clients and or works for companies who wish to have secure networks. As a security analyst, their job is to constantly fix and improve systems to prevent attacks. These tasks continue to grow as the number of cyber-attacks increase and the demand for people in this field continues to grow. Another field of Computer science is Data Science where engineers collect and mine data. Database administrators use software to store and organize data, they have to make sure the data is available to access and is unavailable to people

who are unauthorized to access this information. The field that intrigues me the most is cyber security, with the demand and increase of jobs in this particular field of computer science it has become something that really interests me. With the experience and information, I learn while studying computer science it will allow me to understand how programs and software run and how they can be improved. Also with the amount of technology that our society depends on the threat of cyber warfare continues to grow. With the threat of cyber-attacks and cyber warfare there is a need for people who are able to keep crucial data and information secure.