

Introduction: We are team 11110F and we are from Greenspun Jr. High. Our names are Kyle Halfhill, Preston Fleming, Caiden Ireland, Justin Stickland, and Alexander Garcia. We are from Mr. Christian's robotics class. We mostly play video games in our free time. We have all been in Mr. Christian's robotics class for all 3 years of middle school.

The STEM career that appeals to the whole team the most is Information Security Analyst. An Information Security Analyst is responsible for handling security breaches in software and hackers. They install softwares and programs such as firewalls to protect computer networks. They have a hard job because they need to improve everyday and if they don't millions of dollars could be wasted for a security breach. If a security breach happens then it's the Information Security Analyst job to figure out what happened and fix it or improve their systems.



Robotics really helps you become an Information Security Analyst because it gives you a head start with coding. Another way robotics helps become an Information Security Analyst is by teaching you how to use sensors because Information Security Analysts use sensors to detect if someone was attempting to hack into a website/certain information. Robotics can help with working in a team because Information Security Analysts usually work in teams.

There are many necessary skills needed to become an Information Security Analyst. One big skill that is required is scripting. This will make it possible to find encoded threats. You need to also know how to work on all different types of systems to become successful. You must know how to hack to prevent things like cyber attacks. These all chain together because if you know how to hack but not work this system then you can't have one without the other.



Collaboration is also another big thing because Information Security Analysts usually work together in a large group of people.

In the next ten years I believe that Information Security Analysts will change a lot. Some of the reasons that I think this is correct is because there are many different games/social media websites that some people attempt to hack or ruin and in the future some of these people that attempt to hack these websites will get smarter and people will find more ways to hack and steal information, for example some games like roblox

people are able to hack and steal personal information as well as items in virtually games that are worth thousands of dollars. There are other sites like Facebook or big companies that people try to hack into and Information Security Analysts are a necessity. In the future I think that Information Security Analysts will find more ways to prevent certain hacks and other ways that people try to get certain information. One of the ways I think they would do it is by finding the ways hackers get into these sites and block any ways of them being able to do it again. In my opinion Information Security Analysts are the most important people when it comes to games, and very large company websites. Having Information Security Analysts make firewalls and other things that protect everyone, and all their information.

From what I have researched there is no well known person who works in this field I can find. However, I can say who works in that type of field. People that work in this field are people like the CIA triad (Confidentiality Integrity Availability), it's the heart of Information Security. These people inspire me to learn more about this career path because it shows that a good amount of people like to keep information of the people safe and to make sure nobody gets in and steals our information. I do not know what they attribute to their success considering the fact that multiple people work in the CIA so people can say they attribute their success in their field to anything.



Citations

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Walters, Sara. "How to Become a Security Analyst." CyberDegrees.org, 24 Aug. 2020, www.cyberdegrees.org/jobs/security-analyst/. Accessed 30 Sept. 2020.