**Career Readiness**

The STEM career that appeals to me the most is Computer Programming. One reason Computer Programming appeals to me the most is because you get to design and build programs. Another reason Computer Programming interests me is because you get to study various other things like different computer languages.

Competitive Robotics will help me become a more skilled computer programmer. One reason Competitive Robotics helps me become more skilled is because it's a process of designing and building which can help logical thinking. Competitive Robotics can also help because we use various types of code to program our robots.

To become a more skilled Computer Programmer you will need to study algebra and computer science as well as some other topics. Some qualities you will need to have are good communication skill and self-motivation. The reason you will need to have good communication skills is because computer programmers spend most of their time by themselves in front of a computer. However, some situations will require you to work with other team members or other programmers that is why it is best to have good communication skills. The reason you will need a high amount of self motivation is because it will help you grow as a Computer Programmer. Another good quality to have is paying close attention to detail. You will need to pay close attention to detail because you won't be able to rely on spelling correcting tools to help you and even the smallest mistakes will massively effect your end result. Another major quality you will need to have is organization. Staying organized will help break up complicating tasks and make them easier. Proper organization will help you keep better track of your work and will help you solve any problem that you may come across.

I believe computer programming will evolve over the next ten years and become a bigger, better, and more successful career choice. However I do believe there will be some obstacles on the way to success like learning new programming languages.

One well known computer programmer is Grace Hopper



**Grace Hopper**

Born: December 9th, 1906
Died: January 1st, 1992

Grace was a National Medal of Technology recipient and was awarded the Presidential Medal of Freedom posthumous by President Obama

Grace Hopper was a mathematician and one of the first computer programmers to work on the Harvard Mark 1. Grace Hopper was a pioneer of computer programming who invented one of the first linkers. She also popularized the idea of machine independent programming languages, which led to the development of COBOL, which is a programming language that is still used today.  In 1949 Grace Hopper joined the Eckert-Mauchly Computer Corporation. She also was a presidential medal of freedom recipient. Grace Hopper inspires me to become a computer programmer because she has done many great things that have impacted people's lives in the best way possible. Another one is Elon Musk who is famous for Tesla Motors and SpaceX but he is also the co-founder for PayPal. Two others are Steve Jobs and Steve Wozniak who were the creators of Apple. Also there are Larry Page and Sergey Brin who are the co-creators of google. One way to become a successful computer programmer is to get good grades in all your classes. Another way to be successful is to study a lot and to try new things and document what works.

In conclusion, the STEM career that appeals to me the most is Computer programming because you get to do a variety of things like designing and building programs for different uses.

**Citation Section**

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1.  https://en.wikipedia.org/wiki/Grace_Hopper

2.  https://www.britannica.com/biography/Grace-Hopper