

Comp Sci evolution and Technologies features

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Every year there is a high interest in the computer science field, and it is not surprising at all. I'm pretty sure everyone is aware of how fast technology has progressed, the first real successful electronic computer, Colossus I, was first built on 1943 which only had one function. To break code during World War II. From that point to present time, computers speed and power has been doubling every year and will continue to double as we keep learning and exploring more about computers. As the world shifts to rely more and more on technology, more and more people are needed to work in this field so someone can operate or maintain this new technology. Some things being spoken about in the computer science field is identity, employment, new AI technology being made, etc.

One of the biggest arguments in computer science has been identity. People feel like there has been a race problem in the field because of the Hispanic and Black percentage that it takes up. Hispanics and Black people makes up only 8% of computing. According to "Computer Science has a racism problem: this research wants to fix it" 'computing is in health, transportation, education, finance, you name it--- computing is there," he says. "And recent reports have found that, when you have a lack of diversity, computing implementations can have a bias that disproportionately affects certain [marginalized] people in a very dramatic way." This isn't very good because if you have one population working on a project there can be a chance that this one population makes something that leaves out another population or even minoritizes them. Which is why I believe it's crucial that an equal amount of people from differences ethnicities are incorporated into the field so everything is balanced out and fair for everyone.

The future is looking good for computer science majors as the worlds continues to shift towards technology. "Is a computer science degree worth it" 'Jobs for data scientists alone are projected to increase 22% from 2020-2030. Also, Computer science graduates held the second-highest starting salary projection in 2020 at around \$67,000". The pay listed isn't high but its livable. That also depends on what company you start with. If you have a great resume that shows a lot of engaging computer science activities, then you have a chance of joining a big, branded company and making 6 figures in your first job. The article also mentions how the high earning potential and promising industry growth is a good reason to pursue this field. It does come its downsides though. Since there is a high demand for this major, there is limited classroom availability, which means you must be on top of things and try to beat others so you can secure your spot. Thankfully a lot of colleges are flexible enough to open a lot of classes for many students, so everyone has an opportunity of joining a class. In this field you also must be good at math and problem solving. There is a lot of calculus, algebra, and statistics in this field, and you also must break problems down to solve the situation you're dealing with. Lastly, there is a high cost of a computer science degree. You can still get a job into tech without having to do 4 years in college, you can join a program that teaches you everything but the only downside

to that is that you won't get into the big named companies like tesla, google, apple, amazon, etc....

As I mentioned above, technology is always in our lives. It could be the smallest business and technology is still incorporated somehow. Technology workers have been lucky enough to have a flexible schedule because of the new technology that has been made. People can now still speak with each other from across the world. Doesn't matter if its over the phone or even video call. In the article "Impact of evolving technology on leadership" states, more communication tools than ever before have been created thanks to technology. You can see the number of jobs being completed by your team in real time with the correct tools. You can easily request reports and make significant decisions from anywhere. Utilizing video conferencing applications like google hangouts, go to meeting, zoom, and skype, you can schedule team meetings". Computer science is amazing because depending in what type of company you work; you could work from the comfort of your home. Which gives you more time to do anything you have to do. Another benefit to this is networking with a lot more other people from around the world that don't speak your language because let's say you must go to a meeting over zoom but the person you speak with doesn't speak the language you speak. You can just pull up google translate and translate what it is being said so you guys can understand each other and teach each other new things. Also, if you are planning to become a manager or owner at a technology business, you don't have to check in with every single person that is working for you. All you must do is use a system that lets you know when they have signed onto the project or edited the projected that has been assigned to them. With the power of voice assistants, it is hard for people to miss any meetings, phone calls, or important events.

To summarize everything. Technology has impacted us in extremely positive ways, and it keeps growing every day. It has provided thousands of high paying jobs for people who have not completed four years of college and has provided even higher paying jobs for people who have completed four years of college. Race in the computer science field will start to increase because of the large amount of people joining the field.

Works Cited

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