Liya Besintu

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Professor Henderson

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Ethics Paper

Part One: What I believe will be the most significant ethical dilemma or dilemmas I will face in

my career

I believe the IT field is set up to help and improve people's lives in many ways. In time, we've seen the development of different technologies from the development of phones to Robots to AI and self-driving cars. Although all these were developed to help society, they can only helpful if they're used in the right way because of this one thing i think i would face professionally issue as a someone going into computer science interested in software development if the software I discovered was being used in the wrong way and harming others. According to **HT Education Desk,** computer scientists need to balance between innovation and balance to avoid a negative outcome by "critically assessing the potential social impacts of new technologies, such as privacy concerns, bias in algorithms, and environmental effects. " but in case i didn't see this problems who would be taking responsibility.

Another ethical dilemma that might be faced is dealing with privacy issues. ACM code of conduct and professional conduct 1.6 talks about Respecting privacy and it also states that "Personal information gathered for a specific purpose should not be used for other purposes without the person's consent" and as a perosn who thinkss all the time i cant help but think if i was approached by someone or invesstigators and was asked for information to put the bad guy away i will most likely be breaking this ethical conduct in this kind of rare case.

The third one is the use of AI, which is being used more and more these days. As a computer science professional, we need to make sure that they are being used fairly and safely, without bias. Based on Purdue Global research, Amazon's AI employee recruiter ended up hiring

"mostly white males since the model was based on the prior recruiting practices and applicant pool.". Because of this, we need to be more careful with the use of AI and educate others to use it carefully as well. AI also have a major access to people's data as more and more specifically young people are using it for different purpose more than researching, copying thingss including talking to it ass a friend, counselor and someone they can just talk to because of its accessibility which will increase individual life style more leading to loneliness and even lower IQ.

Part Two: How do you propose one should prepare to handle and/or overcome those dilemmas? How prepared do *you* feel, *personally*, for these challenges? What specific actions will *you* take to be prepared?

Handling these might be difficult and require a person to be active. Computer Scientists might be able to achieve this by being updated on different trends, laws, and regulations and updating their systems accordingly. Other major organizations like ACM(Association for Computing Machinery) and IEEE(Insitute of Electrical and Electronics Engineers) are also significant in helping to set guidelines for professionals in the field. It is also useful to keep reading books and other sources to gain more knowledge about digital responsibility.

Right now, I feel kinda prepared but not fully confident since I haven't gotten the chance to read all the guidelines, especially the ones made by the ACM and IEEE. Although I think most of them are common things, I feel like when in a position to make the decision, it will be harder and challenging as they come with pressure and consequences in real life. I think I will learn more about how to handle this situation as I go in my career and also see and talk to other people in the field who've been through the same experience and similar situations to learn from their experience and mistakes. Improving my critical thinking skills and decision-making skills by getting involved in different things, as well as getting an internship, will help me prepare for the future.

Part Three: Research the ACM Code of Ethics and Professional Conduct and the IEEE Code of Ethics. Pick one principle from each of these Codes and discuss whether each principle is supported by Biblical principles. Give scripture references to support your views.

Both codes of conduct are important guidelines not only for professionals in the IT field but also for anyone who uses technology in an impactful way, including users, students, and everyone in general. They are reminders that help us remember the purpose of technology, how it affects people, and what the main purpose is, which is to serve people and make life easier. These have so many things in common with the bible, like respecting others' privacy, avoiding harm to others, being truthful, honesty, truthfulness, and fairness, which are all taught by the bible, too.

The ACM Code of Ethics includes Avoiding Harm (1.2), Honesty and Trustworthiness (1.3), Being Fair (1.4), and more, which is similar to the bible. We can see in Matthew 7:12 states, "so in everything, do to others what you would have them do to you, for this sums up the law and the prophets" aand in Proverbs 21:3 it taalks about the importance of ethical behavior and justice stating "To do what iss right aand just is more acceptable to the Lord than sacrifice". In Leviticus 19:5, it also talks about Fairness: "You shall do no injustice in court." All these show us how the bible is the center for everything and how everything directly or indirectly comes from it.

Similarly to the ACM code, the IEEE Code of Ethics talks about similar things that are also in the bible, including honesty and guidelines on how to treat others. This shows us that the Bible should be something we follow in our everyday life, including our jobs in whatever field we are in.

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