Kayla Dixon

Data Structure Analysis

Dr. Sean Hayes

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<div align="center">Ethics of Testing</div>

When it comes to testing, it can be easy to miss something when you have to think of everything that could go wrong with it. In order to allow a certain amount of testing, you could test how dangerous the technology is and find out its risks. That way the less risks it has, the less time you need to test it before being forced to send it out and you're not jeopardizing any rules like what engineers with their career as explained in a Wikipedia article of 'Regulation and Licensure in Engineering'(Wikipedia). Even in the bible, it's stated that they should take care not to harm other with their work, 'But take care that this right of yours does not somehow become a stumbling block to the weak' (Corinthians 8:9). There may be many ways to do this but so far, this process could handle the more dangerous seeming tests with robots and then send them to be tested by humans before the testing process is over.

However, even though engineers go through certification to ensure their products don't do damage to the public, I don't think Software engineers should have the same rules just because it's harder for them to cause bodily harm, but they should have similar rules for certification. That way they have more chances of producing better software to go along with a regular engineers' work. Otherwise, there could be more problems than necessary when sending out a product to the public if all testing isn't completed in time. They also have codes of ethics instead as rules for software engineers as guides to follow like the ethics code (*ACM Ethics*).

As for when it comes to my own opinion on how technology and testing has been evolving so far, I think we've been doing pretty well as a society. I think it's unavoidable that there will be some danger involved but it's important to keep testing the limits or else we'd never move forward anymore. We just need to make sure to keep each other safe like it's mentioned in Peter's book in the bible, '[8] Above all, love each other deeply, because love covers over a multitude of sins. [9] Offer hospitality to one another without grumbling. [10] Each of you should use whatever gift you have received to serve others, as faithful stewards of God's grace in its various forms.' (Peter 4:8-10). We've done a great job of doing this so far as we even have a code of ethics for software engineers to follow among others (*ACM Ethics*).

Works Cited

"Regulation and Licensure in Engineering." *Wikipedia*, Wikimedia Foundation, 16 Sept. 2024,

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