CS 307: Software Engineering I

Homework #1

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Problem 1:

The ACM code of ethics and the IEEE code of ethics both guide professionals toward rosponsible conduct that benefits society, but differ in scope and details, the ACM is more comprehensive and computing focused with detailed guidance for ethical decision including computing specific issues, in the other hand IEEE is shorter and engieering oriented and it empasizes in safety, honesty and support of colleagues. Both are written and organized in a very different way.

The similarities include prioritizing public welfare, honesty, competence, fairness, and promoting ethical leadership. Both stress accountability and adapting to modern challenges like privacy and intelligent systems. This kind of things make both trying to fix and manage the same things in a similar ways.

The Differences focus for example in ACM provides a detailed, reflective framework tailored to computing, while IEEE offers a concise principle based references for engineers, also ACM explicitly adresses leadership, compliance, and broader inclusivity while IEEE stresses personal obligation and societal impacts of technology. This is another way to try to get to te same point in a diferente way, but not all the times the same objetive.

Overall

Problem 2: Find one widely covered event or incident on the Internet involving software engineering ethics. Provide references to at least five different sources accounting and discussing the incident. Summarize the event in approximately one page. Write another 1 - 2 pages considering the ethical implications. Be sure to specifically reference relevant sub-clauses in the ACM Code of Ethics and Professional Conduct. How do you believe the situation could have been approached professionally that would have avoided the ethics issues encountered?

References