

Stahl et al. (2016) present an in-depth analysis of the ethical considerations pertaining to the field of computing in their scholarly article. The authors highlight a total of nine significant concerns, including privacy, professionalism, autonomy, agency, trust, consent, research ethics, identification, and inclusion. The authors contend that these matters hold significance for all parties involved in the field of computers, encompassing researchers, developers, users, and policy makers.

The authors additionally observe that a significant number of researchers investigating the ethical aspects of computing tend to adhere to their own discipline conventions and fall short in offering practical guidance to pertinent stakeholders. The authors contend that this issue presents a challenge since it hinders stakeholders' ability to make well-informed judgements on the ethical ramifications of computing.

Bott (2014) dedicates the first chapter of his book to an in-depth analysis of the ethical dilemmas that confront experts in the field of computers. The author posits that the aforementioned issues are progressively intricate and emphasises the necessity for computing professionals to possess awareness of these challenges in order to make ethical judgements.

Bott (2014) lists four primary ethical concerns that confront computing experts in their field of work.

The growing computational capabilities of computers have given rise to a host of ethical dilemmas, including the possibility for their exploitation in surveillance activities or for causing harm to individuals.

The complexity of computing systems is on the rise, posing challenges in comprehending the ethical ramifications associated with their design and utilisation.

The ubiquity of computing technology on a worldwide scale presents novel ethical dilemmas, including the possibility of computers being employed to infringe upon cultural values or engage in discriminatory practises.

The absence of a universally accepted ethical framework poses challenges in making ethical judgements within the field of computers, as there is no consensus among specialists regarding a singular set of ethical standards.

I am of the opinion that implementing these measures would effectively mitigate the ethical concerns that impact my responsibilities as a computing expert. Additionally, they would contribute to the assurance of ethical operations within my organisation.

The influence on legal, social, and professional matters

The acts I would undertake are expected to yield a favourable outcome in relation to the legal, social, and professional challenges that computing professionals encounter. By acquiring knowledge and understanding of the ethical dilemmas inherent in the field of computing, I would enhance my ability to make informed and morally sound decisions that align with legal requirements. By actively participating in the formulation of ethical principles for my organisation, I would contribute to the establishment of a more ethically oriented work environment. By vocalising my concerns when I encounter actions that I perceive as unethical, I would contribute to the prevention of unethical conduct.

It is imperative for computer professionals to proactively engage in addressing the ethical concerns that impact their professional responsibilities. By engaging in this practise, we may contribute to the cultivation of an ethical and socially responsible computing sector.

Reference:

Bott, F. (2014) Professional Issues in Information Technology. 2nd ed. BCS Learning & Development Limited. Available from: <https://ebookcentral.proquest.com/lib/universityofessex-ebooks/detail.action?docID=1511183> [Accessed 10 August 2023]

Stahl, B., Timmermans, J., Mittelstadt, B. (2016) ACM Journals: The Ethics of Computing: A Survey of the Computing-Oriented (4):pp 1-38. Available from: <https://dl-acm-org.uniessexlib.idm.oclc.org/doi/10.1145/2871196> [Accessed 10 August 2023]