

## RMPP Unit 2 Peer Response 2

Initial post: Andrea Paolo Gussoni 29 January 2023

Case study: Automated Active Response Weaponry

Thanks, Andrea, for the post identifying the importance of work for the public good and its impact on society (Gussoni, 2023). The resignation from engineers clearly shows the weight that the ACM Codes of Ethics apply and that education plays a crucial role in computing practitioners' understanding of ethical behaviours.

However, there is dated research suggesting education has a limited effect on computing students being more ethically minded from learning (Berry & Berenbach, 2010). Another view suggests that computing professionals should have an ethical licensure requirement as without it, public disclosure of ethical violations only occurs due to publications in the media or criminal acts committed (Berg & Bartz, 2018). The views identify that despite codes of conduct, more significant ethical professional development may be required for computing professionals.

The use of machine learning for automation was deemed a helpful technology; however, this led to the suppression of information which violated Point 1.1 (ACM, 2018) and Point 1. B' due regard for the legitimate right of Third Parties' (British Computing Society, 2022) undermining human rights. It could assume that this oversight from Q Industries would mean further investigation would be needed into the models of machine learning used.

Many models can demonstrate discriminative patterns (Tesfay et al., 2018) that could also infringe on Point 1.4 (ACM, 2018) and 1. C (British Computing Society, 2022) as fairness-aware machine learning is developing.

ACM. (2018). ACM Code of Ethics and Professional Conduct. Available from: <https://www.acm.org/code-of-ethics#h-1.6-respect-privacy>. [Accessed 29 January 2023].

Berg, K. & Bartz, B. (2018). A STUDY AND COMPARISON OF ETHICAL CODES FOR INFORMATION TECHNOLOGY PROFESSIONALS. Available from: [https://iacis.org/iis/2018/2\\_iis\\_2018\\_174-184.pdf](https://iacis.org/iis/2018/2_iis_2018_174-184.pdf) [Accessed 31 January 2023].

Berry, D. & Berenbach, B. (2010). *Ethics Test Results Before and After Ethics Training: A Disturbing Experience*.

British Computing Society. (2022). Code of Conduct For BCS Members. Available from: <https://www.bcs.org/media/2211/bcs-code-of-conduct.pdf> [Accessed 28 January 2023].

Gussoni, A. P. (2023). RMPP Collaborative Learning Discussion 1 Initial Post. Available from: <https://www.my-course.co.uk/mod/forum/discuss.php?d=135767> [Accessed 29 January 2023].

Tesfay, W., Hofmann, P., Nakamura, T., Kiyomoto, S. & Serna, J. (2018). *I Read but Don't Agree: Privacy Policy Benchmarking using Machine Learning and the EU GDPR*.