

The background features a dark blue gradient with several geometric elements: a blue triangle pointing down-left, a light green triangle pointing down-right, and a grey 3D-rendered circuit board pattern in the top right. A circular inset in the bottom left shows a close-up of a printed circuit board (PCB) with various components.


Ethical issues on Artificial Intelligence

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What do we consider ethics on AI?

- The ethics of Artificial Intelligence is part of ethics of technology that specifies on robots and other AI beings;
- AI ethics contained of two types of ethics: Machine and Robot ethics;
- Both of these ethics are new.



Future challenges in artificial intelligence ethics (1)

- **Danger to humanity:**
- AI technology should not be used to replace people in positions that require respect and care(J.Weizenbaum,1976);
- 2018 July 18th pledge was signed by more than 2000 AI researchers to not build autonomous weapons;
- AI should not be used where it can cause human death;
- Governments still develop AI weaponry.



Future challenges in artificial intelligence ethics (2)

- **Unemployment:**
 - Research firm Gartner predicted that by 2020 AI will create 2.3 million jobs and eliminate 1.8 million and by 2022;
 - The job for AI ethics is to organize a correct balance between robot and human workers.
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- **Robot rights:**
 - In 2018 European Commission received an open letter made by more than 150 experts in robotics, AI, law and others that warned EC about how robot rights violate human rights;
 - One of the hardest job for AI ethics to solve.

Real life examples of ethical artificial intelligence: Facebook





Real life examples of ethical artificial intelligence: Youtube (1)

- Youtube's algorithm -> one of the most sophisticated recommendation systems;
- Content shaped by the algorithm -> controversial content;
- Found to be promoting violent videos for toddlers, spreading conspiracy-videos and fueling disinformation -> misinformation engines;
- Behaviour unknown, it is a private property;
- Focuses on watch-time and ad-revenue instead of truthful content.



Real life examples of ethical artificial intelligence: Youtube (2)

- Chaslot, a computer programmer who worked on the algorithm, proposed many changes but got rejected;
- Luciano Floridi: algorithms that shape the content we see can have a lot of impact, particularly on people who have not made up their mind;
- It is also targeting a particular demographic: LGBTQ+ people;
- Youtube says they do not have trigger words and do not have bias, but the algorithm states de contrary;



AI ethics groups in companies

- Deep Mind;
- Initiative conducted by Reid Hoffman, founder of LinkedIn, Knight Foundation, and Omidyar Network;
- K&L Gates Endowment for Ethics and Computational Technologies;
- IEEE Standards Association -> Ethically Aligned Design.

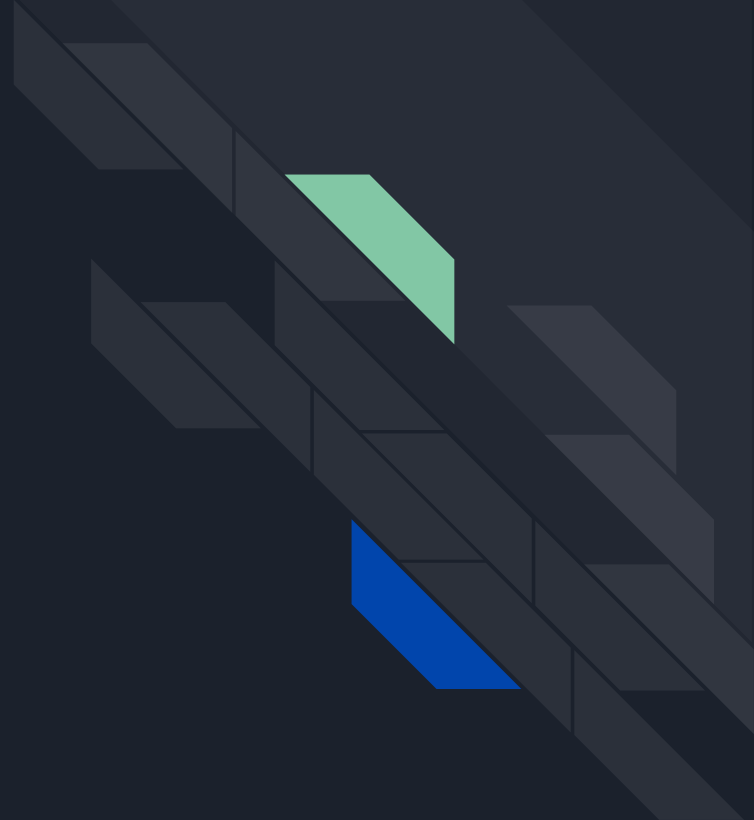


Country's stand on AI Ethics

- Germany's Ethics Commission on Automated Driving;
- The United Kingdom's AI strategy & Centre for Data Ethics and Innovation
- India;
- Spain's ETHYKA.



Conclusion





Questions

