# Artificial Intelligence Ethics

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#### Introduction

- Weapons used currently in warfare are drones, landmine detector, satellite pinpoint
- Countries like USA, are developing AI robot soldiers

### The human cost is lowered

- PTSD will be significantly be reduced since no soldier is needed to fight in the war
- When less soldiers are used in war less soldiers will die

### Starting a war will become easier

- The human cost is lowered
- Can mass produce
- Just need to train one robot compared to a lot of soldiers

### The robots will follow orders accurately

- The robot will be effective to kill people
- The robot will have a higher accuracy when shooting
- The robot will be more efficient in executing the plan

(if trained correctly)

### They will not question their order

- Will make it easier to do ethical cleansing?
- Massacres
- Dictatures using it to retain power
- Who is to blame if the ai is doing something wrong?

#### Human error

- The program is made by humans
- Scenarios can be missing
- not as much resources as in the commercial sector
- missing data can lead to consequences
- Example of human error in ai is twitter's cropping system

# security validations, easy to hack and misuse

• When more AI robots are used in the military, this is prone to lead to terror network, private person and government to hack the AI robot and misuse it

# Cannot distinguish between combatants and noncombatants

- The AI has a hard time distinguishing between combatants, civilians and rogue civilians
- The AI must also distinguish between wounded and surrendering combatants

## The international humanitarian law(IHL)

- In 1949 the IHL made precautions to help spare the civilian population, individual civilians and civilian object
- Added a clause to combatants that no unnecessary suffering should occur on the combatant, this will add another layer to the AI since it must be 100% accurate when launching an attack, so that the AI is as merciful as possible

### How could it be solved?

### Identify innocent people

• To add additional features on the design of killer robot that can identify innocent people with the soldier. which means., adding some features on the sensors devices such as: bombs and other electronics war devices

# Autonomous weapons with human intervention

- The human control over the AI is critical for the whole world, governments and individuals
- Can stop the robot to do horrible things if a bug or scenario it's not trained for happens
- To minimize the risk and mitigate the issues of AI in warfare a degree of human intervention and control is crucial

### The governmental to set standard rules

- Setting standard rules on what a robot is allowed to do, not do. Can prevent the military to train the robots to do unethical things
- Problem is that it will be hard to get a good unified standard
- Needs to prepare standard rules that each country must follow like (UN)

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