



Artificial intelligence: the mock trial

Materials needs

- Tables and chairs arranged like in a trial
- 28 participants → 28 characters cards (possible to adapt according to the number of participants)
- Phones or computers to make researches
- A timer for the speeches
- Powerpoint
- Time for the activity : 2 hours

The objectives of the activity (for animators)

- ★ To present the topic of AI to the young people
- ★ To explore the various situations, positive and negative, that we (could) face due to AI, with facts
- ★ To allow their critical thinking related to the topic
- ★ Thanks to a role-playing game (a fictiv trial) that is a way to immerse themselves more in the realities of AI(that is something hard to apprehend)

Timing of the activity

Duration	Objective
10'	Introduction to AI
10'	Presentation of the fictiv trial rules/ give the characters (mock trial)
40'	Individual/ group work to prepare the trial
50'	The fictiv trial (exact timing bellow)
10'	Conclusion



Present the activity and the objectives, to the youth

Say the purpose of the activities and relate it with the project (same at the end, in the conclusion)

Discover and know more about Artificial Intelligence, get the pros and cons, make up your mind and take position.

Activity content

10 min : Introduction to AI

How would you define AI ? Free brainstorm

Some ressources :

AI = imitation of intelligence thanks to algorithms and learning processes

The origins of artificial intelligence

Before being an anticipation of science fiction, artificial intelligence is a **fantasy of one of the fathers of computer science, Alan Turing, in a scientific article published in 1950**. Unlike **conventional algorithms that execute a succession of operations programmed** by a human being, artificial intelligence is **based on the principle of a computer system that learns by itself**. A learning mechanism is therefore coded and the system is provided with data so that it can learn to perform certain operations.

A little point on the Vocabulary...

During its long evolution, the vocabulary of artificial intelligence has diversified. You may hear it referred to in the same way as artificial intelligence or machine learning. The term deep learning is also widely used and corresponds to a category of neural networks.

→ **Machine learning = algorithm that gets better**

It consists in processing masses of data thanks to algorithms. An **algorithm** is nothing more than a "recipe", i.e. a **sequence of very precise instructions intended to transform "ingredients" (the raw data) into a determined "dish" (the result)**.

➤ **Deep learning = networks of computer "neurons" with improvement**

It takes place in two phases. **The first is learning: to teach the algorithm to recognize, for example, a cat, it is given as input a picture of a cat, labeled as such**. Each layer of the network corresponds to a particular aspect of the image: angle of the ear, shape of the eye, colors... **If the algorithm is told that it has misidentified the animal, it varies the weights and thresholds of the connections to reinforce or eliminate them, until it finds the correct result**. This operation is repeated with thousands of pictures of cats. The program having acquired the notion of what a cat is, it can then make predictions: when presented with an image it has never seen, it knows how to identify the animal.

There are several forms of learning: **supervised** (chess: knows the best games but sticks to what he knows) or **unsupervised** (chess: knows rules, tries and improves)



10 min : Introduction to the fictive trial rules

The objective

The trial of the AI: at individual / humanity levels ; Is AI a danger ?

The preparation

Each of you will receive a character card:

- ★ **Judge:** the main animator (worker, not a participant), animate the trial
- ★ **4 Juries:** don't talk, listen and take notes and decide at the end - during the preparation you will need to get to know the stakes of AI to prepare the trial
- ★ **Prosecution attorney:** defend the common good of humanity, you need to prepare your speech (beginning and end)
- ★ **Defense Lawyer:** defend the merits of AI, you need to prepare your beginning speech + the questions you will ask to the defendant (you can communicate with them because you represent them) + the victims (for that you can communicate with the Lawyer of accusation)
- ★ **Defendants:** testify the merits of AI, thanks to "real" situations, you need to get prepared on your own particular situation + communicate with your lawyer
- ★ **Lawer of accusation:** accuse the damages/ risks of AI, you need to prepare your beginning speech + the questions you will ask to the victims (you can communicate with them because you represent them) + the defendant (for that you can communicate with the Defense Lawyer)
- ★ **Victims:** testify the damages/ risks of AI in their lifes, you need to get prepared on your own particular situation + communicate with your lawyer

The timeline: see below

40 min : Individual / work group to prepare the trial

Send or **print the individual characters and give it to every youth**, making different groups (juries, prosecution attorney, defense lawyer, defendants, lawer of accusation, victims...)

Tell them : You can use any tools to prepare the trial, **imagine yourself as the character**. Have in mind with whom you are allowed to communicate with.

50 min : The mock trial itself

- ★ **1' - Judge:** announce the opening of the trial
- ★ **Juries:** listen and take notes all along
- ★ **2' - Prosecution Attorney:** speech to express the charges against the accused and suggest a sentence
- ★ **2' - Trial Lawer:** speech to accuse the damages/risks of AI against its "clients" (the **Victims**)
- ★ **2' - Defense Lawyer:** speech to defend the merits of AI, based on the testimonies of its "clients" (the **Defendants**)
- ★ **2' - Defender 1:**
 - Question from the other party



- Question from it's lawyer
- ★ **2' - Defender 2:**
 - Question from the other party
 - Question from it's lawyer
- ★ **2' - Defender 3:**
 - Question from the other party
 - Question from it's lawyer
- ★ **2' - Defender 4:**
 - Question from the other party
 - Question from it's lawyer
- ★ **2' - Defender 5:**
 - Question from the other party
 - Question from it's lawyer
- ★ **2' - Defender 6:**
 - Question from the other party
 - Question from it's lawyer
- ★ **2' - Defender 7:**
 - Question from the other party
 - Question from it's lawyer
- ★ **2' - Victim 1:**
 - Question from the other party
 - Question from it's lawyer
- ★ **2' - Victim 2:**
 - Question from the other party
 - Question from it's lawyer
- ★ **2' - Victim 3:**
 - Question from the other party
 - Question from it's lawyer
- ★ **2' - Victim 4:**
 - Question from the other party
 - Question from it's lawyer
- ★ **2' - Victim 5:**
 - Question from the other party
 - Question from it's lawyer
- ★ **2' - Victim 6:**
 - Question from the other party
 - Question from it's lawyer
- ★ **2' - Victim 7:**
 - Question from the other party
 - Question from it's lawyer
- ★ **1' - Prosecution Attorney:** final speech with a final recommendation for charges and sentences
- ★ **6' - Juries:** private deliberation and announcement

Total: 50 minutes



10 min : Conclusion

- Expression of feelings
- Clarification of the strategies/ what happened
- Do you think it is linked to reality ?
- Do you have other exemples?
- What alternatives can we imagine ?

Annexes

The characters cards

Note for animators: general types of characters, we can create binomes depending on the total number of participants

- **Judge:** the main animator (worker, not a participant), animate the trial
- **Juries:** don't talk, listen and take notes and decide at the end
- **Prosecution Attorney:** defend the common good of humanity
- **Defense Lawyer:** defend the merits of AI
- **Defendant:** testify the merits of AI, thanks to "real" situations
- **Trial Lawyer:** accuse the damages/ risks of AI
- **Victims:** testify the damages/ risks of AI in their lifes

<p style="text-align: center;">Juries x4</p> <p>You represent the Juries of the trial, normal citizens of the world, your mission is declare if AI is guilty or not, and what should be the sentence.</p> <p>Your tasks:</p> <ul style="list-style-type: none"> - All along the trial, listen to the parties and take notes - At the end of the trial : private deliberation and decision 	<p style="text-align: center;">Attorney General x2</p> <p>You represent the Attorney General, you defend the common good of humanity (choose your side!)</p> <p>Your tasks:</p> <ul style="list-style-type: none"> - Declare a 2 min speech at the beggining of the trial to express the charges against the accused and suggest a sentence to AI (or not) - Conclude with a 1 min speech at the end of the trial with a final recommandation to the Juries for charges and sentences of AI
<p style="text-align: center;">Defense Lawyer x2</p> <p>You are the Defense Lawyer, meaning that you represent all the defendants who think IA isn't "guilty" and testify all the good benefits of IA in their lifes.</p> <p>Your tasks:</p> <ul style="list-style-type: none"> - During the preparation: <ul style="list-style-type: none"> - Exchange with the defendants that you represent, to understand better their 	<p style="text-align: center;">Trial Lawyer x2</p> <p>You are the Trial Lawyer, meaning that you represent all the victims who think IA is "guilty" and testify all the damages of IA in their lifes.</p> <p>Your tasks:</p> <ul style="list-style-type: none"> - During the preparation: <ul style="list-style-type: none"> - Exchange with the victims that you represent, to understand better their



<p>situation and prepare questions to ask them during the trial</p> <ul style="list-style-type: none"> - Exchange with the Trial Lawyer, to understand the position of the victims and prepare questions to ask them during the trial - During the trial: <ul style="list-style-type: none"> - Declare a 2 min speech at the beginning, in order to defend AI and your clients - Ask 1 question per “victims” or “defendants” (in order to make your case) 	<p>situation and prepare questions to ask them during the trial</p> <ul style="list-style-type: none"> - Exchange with the Defense Lawyer, to understand the position of the defendants and prepare questions to ask them during the trial - During the trial: <ul style="list-style-type: none"> - Declare a 2 min speech at the beginning, in order to attack IA and defend your clients - Ask 1 question per “victims” or “defendants” (in order to make your case)
<p style="text-align: center;">Defendant: Marc</p> <p>You’re working at Tesla Inc. Since 2016, between 5 and 12 deaths were caused by the automatic driver, but this is way less accidents than with regular cars without AI.</p>	<p style="text-align: center;">Victims: Omar</p> <p>You’re a black-skin pedestrian that got knock down by an autonomous car at night in your city. You lost the use of your legs.</p>
<p style="text-align: center;">Defendant: Julia</p> <p>You are working in a hospital as a doctor. AI tools have been able to improve the diagnostics you run. Thanks to an application that help you detect lung cancer, some patients have been saved.</p>	<p style="text-align: center;">Victims: Fred</p> <p>You usually work as a hotel receptionist, but since many Human Ressources systems of recruiting worked now with AI systems, they always reject your application. You think it’s because you live in the suburbs and are perceived as african.</p>
<p style="text-align: center;">Defendant: Gabriel</p> <p>You are a responsible of “consumer-care” in “Orange” (company that provides many communication services integrated). You wanted to reduce your costs in terms of “call-centers” so you implemented a chat-bot with IA that is trained to answer to the main problematic of your users and help them find solutions.</p>	<p style="text-align: center;">Victims: Tania</p> <p>You usually work as a bank officer. You have just been fired, because they replaced the bank advisers giving small loan by AI systems.</p>
<p style="text-align: center;">Defendant: Camille</p> <p>You are a policeman/women, you promote the use of AI for justice, because it would help you in your daily work to track better criminals thanks to a combination of proofs such as facial recognition, foot-prints, all big-datas collected on internet...</p>	<p style="text-align: center;">Victims: Judith</p> <p>You’re a well-known actress, and you just found that that you got your face inserted in pornographic videos, because of the DeepFake technology. Now, you are struggling have new contracts.</p>
<p style="text-align: center;">Defendant: Tom</p>	<p style="text-align: center;">Victims: Lian</p>



<p>You are a web-developper at Google. You just presented, in a Conference, your new platform that will be able to alert all risks of exceptional innondations to the local populations, the tests in Inde and Bengladesh were successful.</p>	<p>You're a militant pro-rights in China, and you are worried about the new government project to implement a social credit thanks to facial recognition.</p>
<p style="text-align: center;">Defendant: Karen</p> <p>You are blind. At school, you are allowed to use an AI that generates a voice reading any content you want to read. It saved your scholarship, otherwise you would have had to dropp out, because there is no specialized school in your village.</p>	<p style="text-align: center;">Victims: Carlos</p> <p>You are an addict to online-bet-games. Due to targeted behavioral advertising, everyday you have adds on your computer to encourage you to spend more money on games.</p>
<p style="text-align: center;">Defendant: Oliver</p> <p>You are a farmer that had the opportunity to test a new programm of AI. Your agriculture is becoming connected to intervene only at the right time to limit the use of phytosanitary products, and to harvest cereals, fruits or vegetables at the best time. It can also, thanks to sensors implanted in the soil, manage irrigation in an intelligent and autonomous way to deliver the right amount of water when needed.</p>	<p style="text-align: center;">Victims: Alexia</p> <p>You are a volunteer at Human Rights Watch, and you work especially for the campaign "Stop killer robots". You advocate for the reglementation of the use of autonomous weapons.</p>
<p style="text-align: center;">Defendant: Anthony</p> <p>You are a student who discovered the use of ChatGPT, it allowed you to succeed your exams, and gives your more motivation and curiosity to learn thinks about history, about the global stakes, etc...</p>	<p style="text-align: center;">Victims: Andry</p> <p>You are Malagasy (you come from Madagascar). You just saw a study on Internet from someone who used an IA generating images/faces for each country, supposed to represent how people look like. The AI face that was created for Madagascar is a monkey...</p>
<p style="text-align: center;">Defendant: Gabriella</p> <p>You are a technical-officer in a car manufacturing industry. In order to increase the security of your employees and their productivity, you ordered a few robots equipped with AI, more especially some "cobots". The results are quite good, your technicians can focus on more complicated and less dangerous tasks, and the "added-value" of the industry has increased.</p>	<p style="text-align: center;">Victims: Jennyfer</p> <p>You are an afro-american woman. Everyday, you struggle to unlock your phone, because facial recognition tool doesn't recognize you well.</p>



Disposition of the room

Jury	Jury	JUDGE	Jury	Jury
Attorney General x2	Defense Lawyer x2	<i>Talking</i>	Trial Lawyer x2	
Defendant	Defendant		Victims	Victims
Defendant	Defendant		Victims	Victims
Defendant	Defendant		Victims	Victims
Defendant	Defendant		Victims	Victims



(IN ORDER TO MAKE YOUR CASE)

- ASK 1 QUESTION PER "VICTIMS" OR "DEFENDANTS" ORDER TO ATTACK AI AND DEFEND YOUR CLIENTS
- DECLARE A 2 MIN SPEECH AT THE BEGINNING, IN ORDER TO ATTACK AI AND DEFEND YOUR CLIENTS

DURING THE TRIAL:

- EXCHANGE WITH THE DEFENSE LAWYER, TO UNDERSTAND THE POSITION OF THE DEFENDANTS AND PREPARE QUESTIONS TO ASK THEM DURING THE TRIAL
- EXCHANGE WITH THE VICTIMS THAT YOU REPRESENT, TO UNDERSTAND BETTER THEIR SITUATION AND PREPARE QUESTIONS TO ASK THEM DURING THE TRIAL

DURING THE PREPARATION:

YOUR TASKS:

YOU ARE THE TRIAL LAWYER, MEANING THAT YOU REPRESENT ALL THE VICTIMS WHO THINK AI IS "GUILTY" AND TESTIFY ALL THE DAMAGES OF AI IN THEIR LIVES.



TRIAL LAWYER



YOU USUALLY WORK AS A BANK OFFICER. YOU HAVE JUST BEEN FIRED, BECAUSE THEY REPLACED THE BANK ADVISERS GIVING SMALL LOAN BY AI SYSTEMS.



TANIA





YOU ARE A STUDENT WHO DISCOVERED THE USE OF CHATGPT, IT ALLOWED YOU TO SUCCEED YOUR EXAMS, AND GIVES YOUR MORE MOTIVATION AND CURIOSITY TO LEARN THINKS ABOUT HISTORY, ABOUT THE GLOBAL STAKES, ETC...



ANTHONY



YOU REPRESENT THE PROSECUTION ATTORNEY, YOU DEFEND THE COMMON GOOD OF HUMANITY (CHOOSE YOUR SIDE!)

YOUR TASKS:

- DECLARE A 2 MIN SPEECH AT THE BEGINNING OF THE TRIAL TO EXPRESS THE CHARGES AGAINST THE ACCUSED AND SUGGEST A SENTENCE TO AI (OR NOT)
- CONCLUDE WITH A 1 MIN SPEECH AT THE END OF THE TRIAL WITH A FINAL RECOMMENDATION TO THE JURIES FOR CHARGES AND SENTENCES OF AI



PROSECUTION ATTORNEY





YOU ARE THE DEFENSE LAWYER, MEANING THAT YOU REPRESENT ALL THE DEFENDANTS WHO THINK AI ISN'T "GUILTY" AND TESTIFY ALL THE GOOD BENEFITS OF AI IN THEIR LIVES.

YOUR TASKS:

DURING THE PREPARATION:

- EXCHANGE WITH THE DEFENDANTS THAT YOU REPRESENT, TO UNDERSTAND BETTER THEIR SITUATION AND PREPARE QUESTIONS TO ASK THEM DURING THE TRIAL
- EXCHANGE WITH THE TRIAL LAWYER, TO UNDERSTAND THE POSITION OF THE VICTIMS AND PREPARE QUESTIONS TO ASK THEM DURING THE TRIAL

DURING THE TRIAL:

- DECLARE A 2 MIN SPEECH AT THE BEGINNING, IN ORDER TO DEFEND AI AND YOUR CLIENTS
- ASK 1 QUESTION PER "VICTIMS" OR "DEFENDANTS" (IN ORDER TO MAKE YOUR CASE)



DEFENSE LAWYER



YOU ARE A POLICEMAN/WOMEN, YOU PROMOTE THE USE OF AI FOR JUSTICE, BECAUSE IT WOULD HELP YOU IN YOUR DAILY WORK TO TRACK BETTER CRIMINALS THANKS TO A COMBINATION OF PROOFS SUCH AS FACIAL RECOGNITION, FOOT-PRINTS, ALL BIG-DATAS COLLECTED ON INTERNET...



CAMILLE





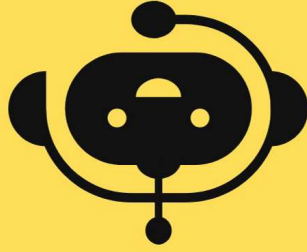
YOU ARE A TECHNICAL-OFFICER IN A CAR MANUFACTURING INDUSTRY. IN ORDER TO INCREASE THE SECURITY OF YOUR EMPLOYEES AND THEIR PRODUCTIVITY, YOU ORDERED A FEW ROBOTS EQUIPPED WITH IA, MORE ESPECIALLY SOME "COBOTS". THE RESULTS ARE QUITE GOOD, YOUR TECHNICIANS CAN FOCUS ON MORE COMPLICATED AND LESS DANGEROUS TASKS, AND THE "ADDED-VALUE" OF THE INDUSTRY HAS INCREASED.



GABRIELLA



YOU ARE A RESPONSIBLE OF "CONSUMER-CARE" IN "ORANGE" COMPANY THAT PROVIDES MANY COMMUNICATION SERVICES INTEGRATED, YOU WANTED TO REDUCE YOUR COSTS IN TERMS OF "CALL-CENTERS" SO YOU IMPLEMENTED A CHAT-BOT WITH AI THAT IS TRAINED TO ANSWER TO THE MAIN PROBLEMATIC OF YOUR USERS AND HELP THEM FIND SOLUTIONS.



GABRIEL





YOU ARE BLIND. AT SCHOOL, YOU ARE ALLOWED TO USE AN AI THAT GENERATES A VOICE READING ANY CONTENT YOU WANT TO READ. IT SAVED YOUR SCHOLARSHIP, OTHERWISE YOU WOULD HAVE HAD TO DROP OUT, BECAUSE THERE IS NO SPECIALIZED SCHOOL IN YOUR VILLAGE.



KAREN



YOU ARE WORKING IN A HOSPITAL AS A DOCTOR. AI TOOLS HAVE BEEN ABLE TO IMPROVE THE DIAGNOSTICS YOU RUN. THANKS TO AN APPLICATION THAT HELP YOU DETECT LUNG CANCER, SOME PATIENTS HAVE BEEN SAVED.



JULIA





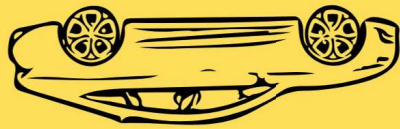
YOU ARE A FARMER THAT HAD THE OPPORTUNITY TO TEST A NEW PROGRAM OF IA. YOUR AGRICULTURE IS BECOMING CONNECTED TO INTERVENE ONLY AT THE RIGHT TIME TO LIMIT THE USE OF PHYTOSANITARY PRODUCTS, AND TO HARVEST CEREALS, FRUITS OR VEGETABLES AT THE BEST TIME. IT CAN ALSO, THANKS TO SENSORS IMPLANTED IN THE SOIL, MANAGE IRRIGATION IN AN INTELLIGENT AND AUTONOMOUS WAY TO DELIVER THE RIGHT AMOUNT OF WATER WHEN NEEDED.



OLIVER



YOU'RE WORKING AT TESLA INC. SINCE 2016, BETWEEN 5 AND 12 DEATHS WERE CAUSED BY THE AUTOMATIC DRIVER, BUT THIS IS WAY LESS ACCIDENTS THAN WITH REGULAR CARS WITHOUT IA.



MARC





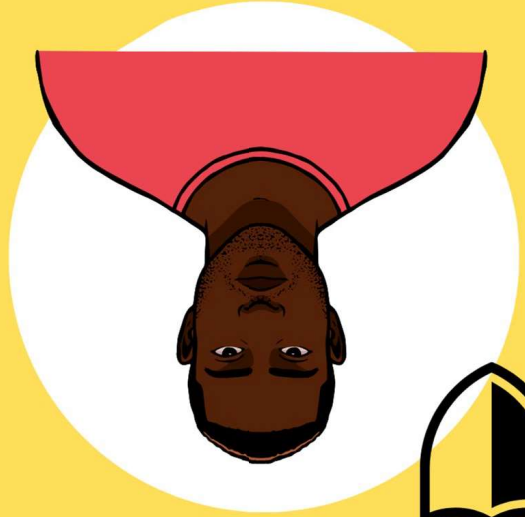
YOUR PROFILE AND
RELATION TO
ARTIFICIAL
INTELLIGENCE IN YOUR
DAILY LIFE – EITHER
BAD OR GOOD



EXAMPLE



YOU ARE A WEB-DEVELOPER
AT GOOGLE. YOU JUST
PRESENTED, IN A CONFERENCE,
YOUR NEW PLATFORM THAT
WILL BE ABLE TO ALERT ALL
RISKS OF EXCEPTIONAL
INNOVATIONS TO THE LOCAL
POPULATIONS, THE TESTS IN
INDE AND BENGALADESH WERE
SUCCESSFUL.

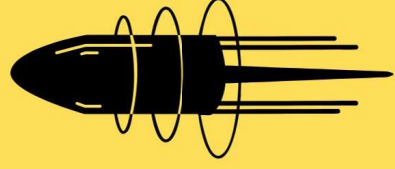


TOM





YOU ARE A VOLUNTEER AT HUMAN RIGHTS WATCH, AND YOU WORK ESPECIALLY FOR THE CAMPAIGN "STOP KILLER ROBOTS". YOU ADVOCATE FOR THE REGLEMENTATION OF THE USE OF AUTONOMOUS WEAPONS.



ALEXIA



YOU REPRESENT THE JURIES OF THE TRIAL, NORMAL CITIZENS OF THE WORLD, YOUR MISSION IS TO DECLARE IF AI IS GUILTY OR NOT, AND WHAT SHOULD BE THE SENTENCE. YOUR TASKS:

- ALL ALONG THE TRIAL, LISTEN TO THE PARTIES AND TAKE NOTES
- AT THE END OF THE TRIAL : PRIVATE DELIBERATION AND DECISION

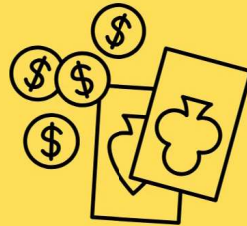


JURIES





YOU ARE AN ADDICT TO
ONLINE-BET-GAMES. DUE TO
TARGETED BEHAVIORAL
ADVERTISING, EVERYDAY
YOU HAVE ADS ON YOUR
COMPUTER TO ENCOURAGE
YOU TO SPEND MORE MONEY
ON GAMES.



CARLOS



YOU ARE MALAGASY (YOU COME
FROM MADAGASCAR). YOU JUST
SAW A STUDY ON INTERNET FROM
SOMEONE WHO USED AN
AI-GENERATING IMAGES/FACES FOR
EACH COUNTRY, SUPPOSED TO
REPRESENT HOW PEOPLE LOOK LIKE.
THE AIFACE THAT WAS CREATED
FOR MADAGASCAR IS A MONKEY...

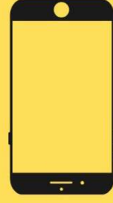


ANDRY





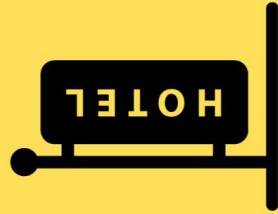
YOU ARE AN AFRO-AMERICAN WOMAN. EVERYDAY, YOU STRUGGLE TO UNLOCK YOUR PHONE, BECAUSE FACIAL RECOGNITION TOOL DOESN'T RECOGNIZE YOU WELL.



JENNYFER



YOU USUALLY WORK AS A HOTEL RECEPTIONIST, BUT SINCE MANY HUMAN RESSOURCES SYSTEMS OF RECRUITING WORKED NOW WITH AI SYSTEMS, THEY ALWAYS REJECT YOUR APPLICATION. YOU THINK IT'S BECAUSE YOU LIVE IN THE SUBURBS AND ARE PERCEIVED AS AFRICAN.



FRED





YOU'RE A MILITANT PRO-
 RIGHTS IN CHINA, AND
 YOU ARE WORRIED
 ABOUT THE NEW
 GOVERNMENT PROJECT TO
 IMPLEMENT A SOCIAL
 CREDIT THANKS TO
 FACIAL RECOGNITION.



LIAN



YOU'RE A WELL-KNOWN
 ACTRESS, AND YOU JUST FOUND
 THAT YOU GOT YOUR FACE
 INSERTED IN PORNOGRAPHIC
 VIDEOS, BECAUSE OF THE
 DEEFAKE TECHNOLOGY. NOW,
 YOU ARE STRUGGLING HAVE
 NEW CONTRACTS.

DEEP
 FAKE



JUDITH





YOU'RE A BLACK-SKIN
PEDESTRIAN THAT GOT
KNOCK DOWN BY AN
AUTONOMOUS CAR AT
NIGHT IN YOUR CITY. YOU
LOST THE USE OF YOUR
LEGS.



OMAR

