**Level 1 Eliza**

1. Research the “ELIZA Computer Therapist Program”. Summarize your answers to the following:
   1. What does the program do?

It recreates an user having a conversation with a therapist.

* 1. When and why was the program created?

The program first appeared around the 60’s

* 1. How does the program work?

It assigns a value to each word of a sentence and uses the value to reorder the sentence into something similar to a question.

1. Use an on-line version of the ELIZA program to see what it is like.
   1. Open the URL : <http://psych.fullerton.edu/mbirnbaum/psych101/Eliza.htm>
   2. Begin by talking about your feelings (just like if you were talking to a guidance councillor).
   3. After a while, try to trick the program.
2. In what ways did the program seem like you were talking to a real person? What was a strategy used by the program to keep the discussion going?

The conversation seemed like I was talking to a real person because she asked questions and responded how a real person would respond. It uses words you used in your sentence to form a question.

1. In what ways could you tell that it was not a real person? What were some of the weaknesses of the program?

If It doesn’t understand what you said or doesn’t have a response it will say “tell me more”.

1. If you had your friend talk to ELIZA but did not tell them it was a program, how long do you think it would take for them to figure it out? Explain your answer.

I think they would figure out fairly quick because the program has a big weakness, if it doesn’t understand all it will say is tell me more or it will change the topic.

**Level 2 Turing Test**

1. Research the “Turing Test”. Summarize your answers to the following:
   1. What is the Turing Test?

“a test for intelligence in a computer, requiring that a human being should be unable to distinguish the machine from another human being by using the replies to questions put to both.”

* 1. Who was Alan Turing?

“**Alan Turing** was a British scientist and a pioneer in computer science. During World War II, he developed a machine that helped break the German Enigma code. He also laid the groundwork for modern computing and theorized about artificial intelligence.”

* 1. How does the Turning Test work?

A real life person converses with a real person and an Ai program and if the person doesn’t realize it is a Ai the Ai will pass the test.

* 1. How is the Turing Test different from other Artificial Intelligence tests?

“The Turing test does not directly test whether the computer behaves intelligently. It tests only whether the computer behaves like a human being”

1. Visit the Ted Ed website to learn more about the Turing Test.
   1. Watch the video at: <https://ed.ted.com/lessons/the-turing-test-can-a-computer-pass-for-a-human-alex-gendler>
   2. Complete the on-line test at: <https://ed.ted.com/lessons/the-turing-test-can-a-computer-pass-for-a-human-alex-gendler#review>
2. Has any computer AI passed the Turing Test? Research this question and report on your results.

No computer has legitimately passed the test, some have passed the test by fooling the test

1. Do you think that you have ever been fooled by an on-line computer AI program? Explain your answer.

Yes, I have especially in games, for example bots that have scammed me for money in game.

**Level 3 Article reviews**

Pick any three (2) out of the following four (4) articles to read and review. Answer the questions that are specific to each article.

Article 1: Social Media Bots

Read the following article:

<https://www.questia.com/magazine/1G1-530914703/social-media-bots-how-they-spread-misinformation>

1. How much internet traffic is estimated to be produced by AI bots?

About 30% of internet traffic is produced bot bots

1. What are some strategies used by bots to appear more human?

Using emoji’s in their posts, only posting at reasonable hours, limiting the amount of information they share.

1. How many social media accounts are estimated to be AI bots?

For twitter more than 15% are bots.

1. How easy is it for a user to detect that they have been “friended” buy a social media AI bot?

It is sometimes very hard especially if you have a large network of friends, but if you have small network of friends it is very easy to tell especially if the bot has limited info on its account.

Article 2: Social Media Bots

Read the following article:

<https://www.usnews.com/news/healthiest-communities/articles/2018-07-24/how-social-media-bots-could-compromise-public-health>

1. How many social media accounts are estimated to be AI bots?

More than 10s of millions of bots are on social media.

1. What is the purpose / objective of these AI bots?

“They can be used to spread misleading or blatantly false information with the intent of influencing how people think or act, and they're relatively simple to make – or to buy, for those simply looking to inflate their follower counts”.

1. How could a bot be used to increase the number of people vaping or smoking?

They can spread information which would influence people to smoke or vape

1. How could a bot be used to increase the public concern about getting vaccinated?

They can spread information about vaccination which would influence people.

1. What is a “sockpuppet”?

“fake or deceptive accounts managed by real people – or so-called trolls, meaning accounts managed by people who post provocatively to anger and distract others.”

Article 3: Automated Journalism

Read the following article:

<https://www.bbc.com/news/business-42858174>

1. What are some of the topics of the articles produced by the robo-journalists owned by the Press Association (PA)? How long and how detailed are these articles?

Articlees about smoking during pregnancy, recycling rates, or cancelled operations

1. “At this stage” what are the limitations of robo-journalists? What jobs do human journalists do that cannot yet be done by robo-journalists?
2. What happened when the LA Times used a robo-journalist to report on an earthquake?

“But the risks of such systems became clear last June when the newspaper published a report about a 6.8 magnitude quake off the coast of California - it was actually a record of a 1925 earthquake that had been published by the USGS in error.

The LA Times' automated story had appeared just a minute after the USGS published its outdated report. In this case, being first to the news was definitely a disadvantage”

1. What are some of the “easier” tasks that robo-journalists are used to produce articles for?

Basic tasks like collecting data, organizing things and etc.

1. Do you think this article was written by a robo-journalist? Explain your answer by giving examples of both why and why not.

No this article was not written by a robot journalist because the article is way to detailed, it is something a robo journalist cannot do.

Article 4: Automated Journalism

Read the following article:

<https://digiday.com/media/washington-posts-robot-reporter-published-500-articles-last-year/>

1. What is the name of the Washington Post’s robo-journalist and what was its first assignment?
2. How can robo-reporting expand the audience for newspapers?
3. How can robo-reporting help human journalists?
4. Are smaller news organizations using robo-reporting? What are the benefits to smaller organizations?
5. Do you think this article was written by a robo-reporter? Explain your answer by giving examples of both why and why not.

**Level 4 Will Artificial Intelligence Take My Job (SOP)**

To prepare for the final summative you should reflect on how artificial intelligence may impact the future job market. (i.e. The jobs and careers that will be available when you graduate.)

Write ***two*** Supported Opinion Paragraphs for ***two*** job topics as follows:

1. Select two topics from the list of jobs below. If you have an idea for another job please clear it with Mr. Nestor before your proceed.
2. Write a Supported Opinion Paragraph for each job topic
   1. The question to be answered is “Will Artificial Intelligence Take My Job”
   2. Some themes to consider are:
      1. Describe your job as it currently exists (or as it is traditionally). Focus on details that could be automated.
      2. Provide some examples of how your job can be (or has been) changed by computer technology in general.
      3. Provide some examples of how your job can be (or has been) changed by artificial intelligence specifically.
      4. Describe your job as it will exist in the future as it changes due to computer technology.
      5. What education will be required to do this job more effectively
3. Read the following articles to get some ideas about what you should include in your SOP.

<https://www.forbes.com/sites/forbestechcouncil/2018/02/26/artificial-intelligence-will-take-your-job-what-you-can-do-today-to-protect-it-tomorrow/#430f57bf4f27>

<https://www.forbes.com/sites/theyec/2018/07/06/do-you-fear-artificial-intelligence-will-take-your-job/#7fb127a611aa>

1. Guidelines for writing a supported opinion paragraph (SOP)

* <http://schools.peelschools.org/sec/fletchersmeadow/studentlife/OSSLTprep/Documents/Sample_%20Writing%20a%20Supported%20opinion%20paragraph.pdf>

**Job Topic Suggestions:**

|  |  |  |
| --- | --- | --- |
| Truck Driver | Taxi Driver | Delivery Person |
| Store Checkout Clerk | Restaurant Cook / Waiter | Retail Sales Person |
| Real Estate Agent | Financial Advisor | Bank Teller |
| Family Doctor | Medical Specialist / Surgeon | Fitness Instructor |
| Artist | TV / Radio Personality | Actor |
|  |  |  |

Taxi Driver:

The Taxi driver job involves using a car leased by a cab company or by using their own cars for a company and picking up customers and driving them to their desired destination. The job right now is currently booming, many people need taxis to get around, especially in winter where harsh and cold conditions make it so that you must go in a car or a taxi. As of now all taxis are driven by human drivers. Taxis have been changed by technology because now taxis have features like built in GPS, Bluetooth phone audio, 911 light in case the driver is in danger and etc. The job has not been changed by artificial intelligence specifically but that is a fear in the near future, taxi drivers fear that their will be self driving cars which will cause them to lose their jobs. Artificial intelligence will be used to drive the taxis, the customer sets the destination and the AI drives the customer to their destination, there is no need for a driver so then many taxi drivers will lose their jobs.

Truck Driver:

Truck Driver is a job which involves driving a truck for very long periods of time. The purpose of it is to deliver loads and packages to different destinations which could be national or international. It is a high paying job because it is very tiring to do this job and the value of delivering goods is very high as well. This job has been changed by computer technology because there are new GPS technologies as well as smart trucking routes set up by new computer technologies. This job will be changed by artificial intelligence because there will be driverless trucks or there will be very smart AI implemented into the trucks. Some examples of this are driverless truck released by Tesla as well as traffic sensors for safety invented by other companies. The job of a truck driver will be taken by an AI. This job of being a truck driver will be very different in the future because new emerging and innovative computer technologies will have changed it very drastically. Some significant changes will be that there will be no need of a driver because the truck will be driven by AI that is implemented into it. Some benefits of this are that the truck will deliver faster because the AI will never get tired like a human would. Some other benefits would be that there would be fewer accidents with the AI because it would not get distracted like a human might. Since no one will be driving the truck, a lot of computer and AI knowledge will be required to design, build, and potentially repair and upgrade the AI as well as the truck. In order for this, some education such as a degree in computer science, computer engineering, or computer programing is usually required. In conclusion, AI will drastically change the trucking industry but even though it may take away jobs, a lot more new job opportunities will be created.