

**Handbook for the Recently Manufactured Thought Clone
Artificial Intelligence and You**

7-4 Summative Assessment: Persuasive Essay

Zachary Meisner

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Tara King

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Artificial Intelligence has integrated into many different aspects of our lives. The premise of its creation, machine learning is a massively growing field that is still incredibly young. The purpose of this technology can be utilized in a vast amount of ways and inputted into every aspect of our day to day lives. In fact, all over the world, people use artificial intelligence and machine learning without even realizing it. One example of this is Siri on the Apple iPhone, or Alexa from Amazon. On the other hand, many different types of cars are beginning to integrate into this field as well, with traffic detection, and even self driving. Though there are many great examples, there's also a great amount of negativity that is spread as well. Google's algorithm implemented on YouTube, for example, has been found to route normal people into believing radical conspiracy theories based on the creation of a suggestion system of what to watch next. On the other hand, their algorithm has also been found to show children adult content through their children's only channel. The list of examples continues, and the problems of this field have solidified its place for many years to come, due to the exponential upturn and innovation it has offered society despite the issues it has come with as well. One of the most important factors of machine learning that has also come with the biggest issues are the ethical, and moral implications that the usage of these programs and the associated machines present. Whether or not the ownership of these tools by companies, states, and even countries around the world, should be regulated in some type of way has impacted everyone with its controversy. The exploration of China is an example of the utilization of a system in order to track 'social credit' and punishing those who do things that are deemed unkind and inappropriate. China uses a system of secret cameras throughout the country and rewards those who they feel do good, thereby promoting their authoritarian ideology. Whether or not this in the long term is harmful,

or overall helpful for the citizens is not something that is known currently, but the beginning of a high tech big brother, has become ever growing alongside the innovative technology made available to people every year, with little to no protections implemented to the people it affects, giving companies and countries more power than they ever had before. These technologies need to be used in an incredibly cautionary way. The basic premise of power that lies within the field alone, not even mentioning the tools that come from it, need to have a consistent check and balance system implemented by a National System in order to keep computer technology protected from radicalization and corruption.

Edward Snowden was a terrorist. At least, that is what the United States Government had dictated in 2013. A whistle blower who leaked massive amounts of confidential US information that could have potentially damaged the country making us vulnerable to threats of not just our country, but our democracy. To understand the implications of the massive impact of the integral part that machine learning has in our country, especially when it comes to the imperative social networks that have become widespread throughout the world, Edward Snowden is the most important example. The lack of experience, and ignorance that repetitively plagues our world is an ever-pressing threat, showing that even if problems have happened in the past, they can always happen again with the lack of attention in the correct place, and manner.

In 2013, Edward Snowden leaked massive amounts of confidential US information, but why? The reason is due to his discovery of the National Security Agency (NSA) collecting information on the citizens of the United States, without their prior knowledge or information

and using the data to implement algorithms in order to catch terrorists and criminals prior to the actuality of their attacks. So disturbingly moved by the actions he had found, he deemed that it had been unethical, and immoral enough that he sacrificed his entire life to come out to the public with what the government had been doing in secret to the American people and the encroachment of their information. After he opened up, he was made an outcast from the United States and forbidden to see his family due to the constant bombardment of death threats and danger, plus the threat of imprisonment that he faced. Whether or not what Edward Snowden did was a good or bad thing for the country is an important question and the reality of the matter concerns the power of the USA, and what the potential of Machine Learning and algorithms offer the USA. In the wrong hands, the tools they had been using in order to collect, process, and use information in order to determine what the American people had been doing as “wrong or right” is problematic. These actions are based on a preconceived notion of morality concerning whether or not someone should legally be able to say certain things over the phone without being tracked, or whether or not Americans should give up the right to their own privacy throughout their homes by hacking into their video camera and even whether or not they should be able to say certain phrases or words on the phone without being put on a watch list. All of this again, was created behind closed doors with no intention of ever surfacing to the public.

Currently, Snowden has shared that he soon will become a father, and that he and his wife are seeking Russian citizenship, to ensure that they will be able to live together with their son. After years of separation from his parents, and wife, he had no desire to continue on with the controversial decision from the United States to have him exiled. (Diaz, 2020) In the present day

we see Edward Snowden at this point, with no other options as he is still barred from the United States despite the blatant immoral and unethical actions exhibited by the United States of America to the extent where they have consistently over seven years kept him from living peacefully with his son, and wife. Since the day Snowden spoke out, there has been an enormous movement towards ethical internet usage. No matter which way you look at this, the actions of the USA were in this case completely unethical despite good intentions. American people should not have to worry day to day about whether they will be put on a terrorist watch list, and in addition to this, be allowed to grow and learn without the overbearing actions of a government watching their every step. Without the access and freedom of the internet, and the information that follows we will sacrifice the foundation of this country itself. In the case that someone, especially a government, would want to utilize these kinds of tools, should at the least be open to widespread public knowledge, There should be access to moderate any country that would want this kind of system by the United Nations or an agreed upon international body in order to stop any type of government to abuses such as those exhibited by a tyrannical government.

In the case that the United States government had taken the information they collected, and deemed whether or not the actions about things being said by its citizens was appropriate, we would not be far off from the current state of China. China's social credit system has massively changed their society integrating the usage of these philosophies in order to subject their citizens into a type of social experiment to say the least. Everybody living in China gets a credit code, and an identity card. From then on everything they come into contact with is even monitored such as books they read, posts they make and engage with on social media, where they go, when,

why, and who they involve themselves with. If you do something deemed as untrustworthy you lose points, and the more points you lose the more likely you are to be punished for being untrustworthy. Though it is considerably one system, this system is made up of many other systems as well, and exists based off of a plethora of integral combined structures and algorithms that feed off one another in order to co-exist. Unfortunately, due to privacy purposes there is not actually that much information on the system and it could go even further than that, and nobody would have any idea how closely monitored everyone is.

According to (Kshetri, 2020 p.2) A group of researchers have recently committed their time to understanding the usage of content analysis machine learning tools, in order to analyze a multiplex of information in order to support their thesis on the current state of Beijing. Not only did this research produce a general ideology that supports relativity between citizens, and the government, but in addition to this, found that companies are treated in the same demeanor. The issue being that for the creation of a so-called blacklist, there are a list of punishments for a linear gradient of decisive immorality which in turn, implements an ethics system, likely based off of their current existing state of law. The reason this is an issue, is due to the oppositional list, known as the redlist, which in turn rewards individuals and companies alike for good behavior such as volunteer activities. It would be one thing if there was a defined difference of treatment between the two parties, but there is a lack of information to support anything at all regarding the way China decides what is, and is not moral. It begs the question of what determines whether or not the clear consideration of companies being lumped into the same categories on these lists, is indicative of the blatant flaws this system has. It is apparent that there is some type of

punishment system, and interestingly enough, even businesses are considered and treated the same as individuals. The ideology supporting this treatment is a huge indicator of the way that Beijing sees its citizens and corporations, and prompts the question to whether or not there are protections beyond this social credit system in the case that there is a mistake, or in the case that someone had been wronged in a way that the credit system had deemed to not be an issue.

Although computer science is generally an indicator of a system that exhibits no mistakes, that is a fallacy. It is concerning if there would be a lack of representation for citizens over businesses if they are both treated relatively the same because these programs can have mistakes, or be inherently flawed due to the nature of their creation. Even in the case that something is perfect, who is to say that later down the road the system will be considered out of date, and found to have many issues that were not immediately apparent?

In a sense, if you were to give any company the benefit of the doubt, you would perhaps think according to their narrative that they might be a type of hero. In other words, companies respond to a need, supplying a populous of people with any type of product, or even the precipice of an idea in order to save those who have no other means to save themselves. If you were this person, would you think twice about accepting any type of privacy agreement that a company requires in order to use their product? Would you even read it? The concern here is this. In lieu of this trust, China has gone out of their way to give permissions to private companies to launch their own credit rating systems in order to rank people in a multitude of ways, one of them being financially through Alibaba's Ant Financial and Tencent's Paywall. In other words, China is giving money to companies that have the means in order to gather information on

peoples or customers that in some way interact with the company, that willingly, or perhaps unwillingly somehow share their information. What this means for anybody in the world, is that if you happen to stumble across any company that stems from the Chinese, such as a social media sight, a selling website, or even Apple, that has their phones created and sourced in China named Foxconn, then you may be in danger of having your information leaked to the Chinese government, and have it utilized in order to encroach on the rights of underdeveloped societies, contributing to the mass slavery and exploitation of the peoples that contribute to them. (Kshetri, 2020 p.2)

When companies are discussed in the United States, they are generally referenced by their brand on social media, and all that they have done for people. In addition to this, it is also discussed when there are severe issues, and possible claims for illegal business workings. Generally, everyone usually knows prior to any court case that something possibly fishy is going on, due to the incredible power of the internet that people have in the present day. Individuals all over the world are able to come to their own conclusion about things after doing research. Whether or not this research comes to the proper outcome though is in question, due to the availability of information made available. What comes up when you search for something over something else, and whether or not people are able to personally spread information that is true or false, and how easy that is, or is not. There are many different factors that come into play when doing research, and companies are usually behind it all. In the case that Google had done something massively illegal, where would you go to search and find out that they had done such a thing? Would any of the media outlets pick it up if it was not easily accessible on Google's own

website? How would you go about researching the other parties involved in the case that the company specifically made it harder for you to find certain things short of doing real life investigations which many are not able to do due to the lack of tools and knowledge available to do so? So much of everyday life has been automated without a thought to any of this, and China now is showing that companies that aid their government with the creation of their own types of systems that aid their own, are given special treatment. In the case that these companies are treated the same as individuals, who is to say that the system cannot also be utilized to ignore or omit certain actions that these companies commit? Who is to say that the government and company are not able to work together with these algorithms in order to make the information harder to find and sweep it all under the rug? The power of these tools towards a blatantly flawed system that is incredibly easy to corrupt if it falls into the hands of an authoritarian government, can lead to the creation of a much bigger, and much more dangerous version of North Korea.

When it comes to companies, and governments and their relationships, you would not often first think about history. Though history in this case is incredibly important. Banks, for example, that store large amounts of consumer data about the different habits that each customer shows through the usage of the cards distributed by their banks, show in which way the banks can best benefit their customers. What benefits to offer, how much percentage they should give back, or even whether or not they should more likely give loans to a certain percentage of people in a certain monetary class over others are based on the average credit rating that any given individual out of that category of people could hold. What if I told you that in China, in addition to this, the Chinese government pays the banking companies in order to meet the same

conclusions? If this does not seem like an insanely immoral action from the government itself, then it perhaps would be much easier to think about the categorization of certain classifications of people, such as, but not exclusive to, immigrants who may be more likely to be in a certain grouping of people for unrelated reasons entirely, contributing to a much larger cyclical issue known as systemic racism.

When it comes to regulating companies, banks tend to be the more stringent categorization of companies that have regulations, but on the other hand, when it comes to brand new fields, such as companies offered in any type of technological innovation, the government has not nearly had enough time to ascertain the needs of regulation these companies require due to a lack of experience that they have had, or even the lack of knowledge that the deciding peoples have on the subject matter to make legitimate, educated decisions. (Kshetri, 2020 p.2)

In the case that the government is giving special treatment to these companies, allowing them to aid them for benefits in the country, the next question becomes what these companies exactly do with the data they store and collect. It is one thing if the government collects data on their own citizens, as scary as that is, but if there are no apparent laws on how companies are able to collect and use individuals information, that gives these companies to sell this information in addition to helping the government to other people who may not have the same great intentions and specifically target people in malicious ways. This creates a bridge from the government, to the organizations themselves dedicated to damaging the foundation the country is built on and the people residing in it. Ignoring the massive potential security breach this

highlights, it also points to possible collusion with the government and these companies as well. This means that the citizens subject to the credit system, are little more than an additional way for the government to regulate and mine money in order to fuel narratives that nobody agrees with, and continuing to suppress their thoughts, notions, actions, and freedoms.

Although there are many negative examples of the misuse of this technology and further innovation, the topic in itself is incredibly controversial due to the kinds of products that will come from the collection of this data, and the algorithms used to collect them. One example of this is that this information after it is collected can be used to create a real life, personalized digital twin of yourself. Acting as an exact replica of yourself, using all available data that the computer has of you in its system, your behaviors, voice, and even your thoughts can be monitored and tracked. Whether this is done through the actions, or even if the decibels of energy your brain emits when you are thinking different thoughts are monitored and inputted using an Input/Output device attached to your head and brain. A current day example of this would be in the United States, more specifically at the company Tesla. In an online debut of this technology, the CEO and creator of the company is seen debuting through the use of pigs, which is available in the following link. [Elon Musk's Neuralink venture unveils pig with computer chip in brain](#). Musk explains that with the usage and creation of these machines, you would be able to fix many issues, and even begin setting the stage for curing brain issues, and even curing body paralysis through neurological energy input directly into your spine from your brain via the inserted chip.

This is the perfect contribution to a growing and innovative technological world due to the access of data mining and collecting that is now available in an incredibly unique way. This could potentially pave the way to communication between different languages, without having to learn other languages, and even communicating with animals, which would help us understand other creatures and living beings on a much deeper level, deepening the connection between humans, and the very world we inhabit. This great power also comes with great responsibility and a slew of ethical and philosophical questions that need to be answered. If you are able to take data and information directly from somebody's brain, and input it into a digital version of yourself to help deepen the connection between you and your digital twin, who is to say that over an elongated period of time, you would not be replaced? Could this possibly lead to the discovery of an immortalized version of the human race? And is there any type of possible danger that lurks within these innovations that humans are unable to see yet?

Cloning has become more popular in recent times, and has proven to become a sustained field of science that can contribute to many positives in different parts of the world. Though, there are multiple different types of cloning, and in this case specifically, AV cloning is becoming a huge, and integral part of Machine Learning, and Artificial Intelligence. AV stands for Audio Visual, and can be used in order to create fake images, avatars, video, or audio of a person that cannot be easily differentiated from the actual person it is created to represent. It is incredible that we have the technology to do this sort of thing, and will set the stage for great tools in order to improve healthcare. The way that they are coded and the archetypes of the clone itself allow for you to talk to this” person” as if you were actually talking with them, based on a series of

past information collected from the people being cloned with Data Analytics and complex mathematical equations and nanotechnology in order to distinguish the actuality of complexity that any given person can represent. For example, if you are struggling with the death of someone who had been close to you, there are now companies that are able to create these types of thought clones for you in order for you to talk to them after their death. The usage of this technology will offer so much support to people who have had their mental health affected by the death of a family member, and perhaps one day in the case that if a young child's father or mother has died, it might become common practice to use a digital thought clone embedded into a robot in order to help aid in the growth of the child. The extent of success in this practice is unsure, but it surely could be much better than not having a connection with a dad at all.

If you are able to clone people in such a way, how will someone rule the validity of whether or not rights should be afforded to these clones as well as the people are cloned? This also comes with some issues though, because the ability to create these types of clones is available to anybody who is smart enough to know how to use them, and can contribute in incredibly harmful ways to false information, and fake news. In the correct setting it may even have the power to collapse governments with well placed videos making it sound like someone said something that they had not, or in an even more derogatory way, create fake pornographic films of people without their consent to feed into unhealthy obsessions. Two examples of the usage of these clones in healthy ways, are Barack Obama, and Mark Zuckerberg who is the CEO of facebook. (Truby & Brown, 2020 2.1 Types of Digital Clones)

This makes apparent the real scenario in which companies, governments, or anybody with access to the technology, are able to input falsified fakes of certain people saying things with incredible ease. With the usage of this technology, and other technologies will it eventually be possible to create an army of robot clones used to invade countries, or even execute a specific type of race based on the color of their skin? What about their religion? Looking to the past for immediate examples, it can be very clearly seen with the creation of nuclear missiles that other countries are able to achieve what is necessary to create any type of technology they want. Without some type of government authority assessing the usage, type, and actions of these technologies, such as the United Nations, how in the world is anyone supposed to protect themselves, or even educate themselves on the pressing dangers that lie in the near future? In the following links, the deep fake versions are available to see. [How the Obama / Jordan Peele DEEPFAKE actually works | Ian Hislop's Fake News - BBC](#) and [Mark Zuckerberg 'deepfake' will remain online](#)

In the above instances, we can see many examples of a growing need within the field of Artificial Intelligence, and Machine Learning alike. Though, this basic need is the crux of why it is so important to have moderation in this field, such as a checks and balance system. However, there are also many governments, and companies alike that would refute this point, stating that it is absolutely absurd that there would be anything close to a national system as such. To begin, the pure thought of this could easily grow to become nothing but an impediment on growth, and personal freedoms. One example of this on a much larger scale, points to the United States, being one of the prime countries that would have issues with this, given that companies within the

United States in a court setting have the ability to be tried as individuals, opposed to tried as massive corporations. Meaning that these corporations are protected by the same free, and individual rights that any normal person would be. Secondly, there would have to be some type of data collection service in order to gather intelligence to assure that what was happening in different countries was morally correct, which is a massive breach of individual privacy, such as in Edward Snowden's case and his predicament with the United States. Moderation in the attempt to stop corruption could in turn foster a perverse systemic corruption of the antithesis which in this case could be the United Nations. How would we as people, governments, or companies, begin to check that this is not happening as well?

The United Nations Educational, Scientific, and Cultural Organization, states that their mission is the pursuit and construction of peace through cooperation of the programs they implement. Not only is up to date, and relevant information available on the subject of Artificial Intelligence, and even how it has aided in the Covid 19 Pandemic. But the contributions AI contributes to in a negative way, and how they are planning to combat this, including the potential uses it has to solve other issues such as climate change presents an important challenge.

AI is already integrated deeply into our lives and the way our society functions and maintains itself. There are some legal issues creating metaphysical vacuums in the structure of the law itself, that need to be filled fast or the industry will take a huge hit for the lack of action. There needs to be socially driven acceptance of what values need to be implemented and which rules need to be strictly enforced in order to prevent sociological dilemmas on a mass scale.

Many hypotheses and ideologies currently exist, though are implemented unevenly, and none have caught onto the global marketplace of attention that it would need in order to be adopted by a mass amount of people without outrage taking place amongst the entirety of the world. The bottom line is that AI is global which is why it needs to be regulated on a global scale by an organization that has the power to do so or an agreement/treaty among many powerful nations. “AI cannot be a no law zone” (UNESCO, 2019) In lieu of this belief, the Assistant Director-General for Social and Human Sciences of UNESCO, Gabriela Ramos addresses the goals, issues, and purpose of this campaign and then invites everyone to join in the collective contribution of implementing widespread change. It is UNESCO’s belief that this is an incredibly pressing issue that affects everyone, and therefore everyone should be able to contribute, and have a say in the creation, and answers, and the available benefits Artificial Intelligence offers. In the following link, the video is available to watch. [Gabriela Ramos on how to build the rule of law in the digital world \(short version\)](#)

Whatever the belief is of Artificial Intelligence, and Machine Learning, it is apparent that something needs to be done. There is so much that needs to be done in the growing field, especially when it comes to implementing laws to welcome governments into a solution of peace to moderate and regulate these different types of technologies without hindering the ability for them to grow. One question though remains, and that is, why? It is nothing short of a giant leap for mankind technologically, but as a nation what are we heading? If you are not great at math, or computer science, or even up to date on current events you may have never heard the term Technological Singularity. According to (Vinge, 1993, p.1) What this exhibits is the

technological advancement in a society accelerating so rapidly that it starts to snowball, skyrocketing into 3 dimensional space in terms of a graph, accruing so much pressure in one collected area, that it in theory has the potential to change humanity forever possibly leading Computer/Human interfaces so integrated together that we may consider them to be a collective being, giving us the potential to harness superhuman intelligence. Another possibility is that biologically we may see the natural intellect of human beings increase over a period of time in reference to linear Darwinism and evolution of our entire species. The potential to create such a large computer network, that considerably we discover the basis of consciousness itself, alluding to an insane amount of questions in reference to free will, god, and humanity. The network gaining sentience on its own, becoming a superhumanly intelligent entity opens doors to so many other incredible ideas that we as humans cannot begin to even fabricate due to the construct of our brains preventing us from truly understanding what singularity itself is. Philosophically this prevents a slew of issues, from whether or not that it even is morally right to create such a being, regardless of the ability it could give us as species. This is why it is incredibly important to buckle down and start building the basic framework now. (Vinge, 1993, p.2) even continues on to explain that he will be surprised if this event occurs before 2005, or after 2030. It makes sense to set a deadline for the point in which we may begin to see a shift in our own culture, which we have actually begun to see implemented with the introduction of Machine Learning, and Artificial Intelligence specifically. If we are not there yet, we as a society are definitely close, and urgently need to address this pressing matter. The likelihood of even banning, or trying to halt this type of evolution, almost instantly dooms the entirety of whoever decides to ban such a power from developing in their own country, assuring that the opposing powers that be in the

world get them way before anyone else does. This would pose massive threats to the national security of those outlier nations. It is worth mentioning though, that there are other possibilities in order to answer this pressing matter, such as building basic rules or tenants to abide by the entity itself in order to have an existing constant of self moderation to assure that nobody could corrupt the being in any way. Though again, who would decide what rules are implemented into its moral understanding of the world? Only further pushing for quick and decisive action could lead to a solution. In one of the arguably most crucial periods of history in our lives, in our never ending pursuit of happiness, we have found an option to create a world exponentially better than the one we had inherited from our ancestors, and even the world inherited prior. It would be nothing short of a shame if we got caught up arguing over the basis of personal freedom while technologically pushing ourselves against a wall, possibly demanding much more of a sacrifice in the long term than in the short by sacrificing our personal freedoms in order to collaborate with one another to create a structure that works for everybody.

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