

September 18, 2015

Capstone Project

Advancement in Artificial Technology

In recent years, the new technological advance has been Artificial Intelligence (A.I.). A.I. is the intelligence exhibited by machines or software. It is also the name of the academic field of study which studies how to create computers and computer software that are capable of intelligent behavior. There have been many movies which have depicted Artificial Intelligence, but what do they actually do in real life. In recent studies with Professor Stephen Hawking, and Elon Musk both greatly fear A.I. because they can theoretically grow faster than humans. **With that being said the advancement in Artificial Intelligence poses a huge threat to the human race.**

The “birth” of A.I. started in Dartmouth College in 1956. It has been a very boom or bust the beginning. The next step in A.I. advancement was published by Alan Turing. He wrote a paper which created the Turing Test. The Turing Test is a test which is based on thinking. He said that if a machine was able to have a logical conversation, then it was considered intelligent. Because in order to think one must have a conscience.

The next great advancement in Artificial Intelligence was ELIZA, a program which was created by Joseph Weizenbaum. ELIZA was the world's first chatterbot which could carry out a full conversation with the user and could sometimes trick the user into thinking it was a real person. Now there are many A.I. that have been created, they all have different purposes, some can write poetry, solve written math problems, and can

even teach themselves how to play simple video games. This reason this topic is important is that with newer advancement in A.I. has become almost Sci-Fi like. Android Dick is an A.I. that was created by Hanson Robotics. An android is a robotic human and which makes Android Dick so important in my topic is that he is very, very intelligent. He can hold a conversation with logical, intelligent and emotional responses. Recently PBS Nova interviewed him and asked him “are robots going to take over the world?” which he replied with,

“Jeez, dude. You all have the big questions cooking today. But you’re my friend, and I’ll remember my friends, and I’ll be good to you. So don’t worry, even if I evolve into Terminator, I’ll still be nice to you. I’ll keep you warm and safe in my people zoo, where I can watch you for ol’ times sake.”

This also ties into Hawking, and Musks fear, which is that A.I. can, and will learn faster than humans. Biologically humans have a limit as to what they can learn, which computers can store data and learn faster and hold more knowledge than a human. Hawking and Musk are some of the brightest minds on Earth and their fear should put fear in others.

My thesis for my paper would be that the advancement of Artificial Intelligence could potentially doom the human race. Since A.I. is computer controlled and it can learn so quickly, it would be basically indestructible because it could store and hide all of its knowledge on a cloud or database and recreate itself in another potential host.

The faculty mentor I would like to work with is Dr. Murphy because she has a wide range of knowledge in technological fields. Dr. Murphy would agree with me on

this topic, because she understands how quickly technology is advancing. I have yet to contact Dr. Murphy on this topic.

I plan to finish a paper that others will view and have them understand that this could become an issue in the future. I will write a page every other week on this project. I will devote two days a week in writing this paper.