Anglais Langue Seconde

Dilemma proposal

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Mr. Clarke

CEGEPGIM

# **Field of Study Dilemma Proposal:**

* **What is your F.O.S dilemma ?**
  1. Computer Science Program: Should ai development be restrain?

I chose this topic because computer science is a field, I am passionate about. Artificial intelligence came from computer science and now it touches pretty much the whole Human existence. So, restraining the development of AI as been a topic of main concern for our community. AI is a tool that can reshape human existence in its core. So, I feel like I am a good candidate to give my opinion on this topic when taking in consideration my background in computer science and basic understanding of artificial intelligence.

* **Possible Solutions?**
  1. AI should be restrained. We should stay on our fundamentals. Artificial intelligence could become sentient and us trying to control it would be like a chimp trying to control a human. The human will use his brain and overcome the chimp to be free. Also, artificial intelligence could be used to fulfill malicious intents. These uses could be for example: entity thief, impersonation, exploiting vulnerabilities, control weapon of mass destruction… these are just some examples.
  2. AI shouldn’t be restrained. Restraining artificial intelligence is only retarding the development of the human species. Artificial intelligence could make the human life better and easier. It would take care of repetitive task and help us create and develop faster in any field. Artificial intelligence is a tool to bring us to a new Renaissance era.
* **Research links:** 
  1. IBM paper on *“What is artificial intelligence (AI)”* <https://www.ibm.com/topics/artificial-intelligence>
  2. Builtin.com: *“The Future of AI: How Artificial Intelligence Will Change the World”* <https://builtin.com/artificial-intelligence/artificial-intelligence-future>
  3. Builtin.com: *“12 Risks and Dangers of Artificial Intelligence (AI)”* <https://builtin.com/artificial-intelligence/risks-of-artificial-intelligence>
  4. IBM paper on *“Exploring the risks and alternatives of ChatGPT: Paving a path to trustworthy AI”* <https://www.ibm.com/blog/exploring-the-risks-and-alternatives-of-chatgpt-paving-a-path-to-trustworthy-ai/>

**RESEARCH OUTLINE** (EXAMPLE)

# YOUR NAME: Warren Clarke

# OUTLINE

# Title of the article: *What is artificial intelligence (AI)*

# Author: *IBM*

1. **Reference**: <https://www.ibm.com/topics/artificial-intelligence>

*Some details can be omitted if they are redundant and you’ve already mentioned them in another section.*

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| **What** | * *AI Is a technology that enables computers to simulate human intelligence.* * *AI can perform tasks that would require human intelligence. By using a simulation of the human problem-solving capabilities* * the hype around the use of AI tools in business takes off, conversations around ai ethics and responsible ai become critically important. |
| **Who** | * *IBM’s team of specialist in artificial intelligence* |
| **Where** | * *?* |
| **When** | * *1950: Alan Turing publishes* [*Computing Machinery and Intelligence*](https://redirect.cs.umbc.edu/courses/471/papers/turing.pdf) * *1956: John McCarthy coins the term "artificial intelligence" at the first-ever AI conference* * *1967: Frank Rosenblatt builds the Mark 1 Perceptron, the first computer based on a neural network that "learned" though trial and error.* * *1980s: Neural networks which use a backpropagation algorithm to train itself become widely used in AI applications.* * *1995: Stuart Russell and Peter Norvig publish* [*Artificial Intelligence: A Modern Approach*](https://aima.cs.berkeley.edu/) * *1997: IBM's Deep Blue beats then world chess champion Garry Kasparov, in a chess match* * *2004: John McCarthy writes a paper,* [*What Is Artificial Intelligence?*](https://www-formal.stanford.edu/jmc/whatisai.pdf) * *2011: IBM Watson beats champions Ken Jennings and Brad Rutter at Jeopardy!* * *2015: Baidu's Minwa supercomputer uses a special kind of deep neural network called a convolutional neural network* * *2016: DeepMind's AlphaGo program, powered by a deep neural network, beats Lee Sodol, the world champion Go player* * *2023: A rise in large language models, or LLMs, such as ChatGPT* |
| **How** | * *AI was developed by talented individuals* |
| **Why** | * *AI is the biggest invention of human for the near future* |
| **Additional details** |  |