Take-Home Writing Assignment #4 – Non-AI Version (10%)

WHAT
Demonstrate your ability to think critically and develop a meaningful and appropriate research question.

WHY
Educational and workplace expectations require people to ask insightful, original, and relevant questions, to understand the value of the questions they ask, and to find meaningful answers based on reliable sources of information.

HOW
Follow the steps below and respond to the prompts in the spaces provided.

SPECIAL NOTE ON USE OF GENERATIVE AI
Third-party AI programs that require you to upload your personal information carry significant privacy and intellectual property concerns.

This version of Take-Home Writing Assignment #4 provides you with an equitable equivalent to the version that includes the use of generative AI.

If you do choose to complete this version of the assignment, you are not required to use generative AI to demonstrate your understanding of course learning outcomes.

1. DEVELOP A RESEARCH QUESTION
Using what we have learned about developing research questions, write a research question that you would be interested in and capable of answering.

Develop your question based on <u>ONE</u> of the following prompts.

- **Historical Analysis**: Develop a question that inquires about a *significant historical event, period, or person* within your field of study.
- **Industry Analysis:** Develop a question that inquires about a *current trend, problem, or innovation* within your field of study.
- **Product Analysis:** Develop a question that inquires about *a current technology, consumer product, or brand* within your field of study.

a) Identify which type of analysis (from the three listed above) your question will explore.

Product Analysis

b) Write your research question in the space below.

How does use of AI chatbots influence on learning new IT skills nowadays?

2. JUSTIFY YOUR RESEARCH INTEREST
Explain why it would be professionally helpful for you to understand the answer to your chosen question and why it represents a good fit with your current level of experience and knowledge.

It would be professionally helpful as understanding the answer to this issue would possibly enhance my efficiency in learning the different necessary skills in my field. The product that is discussed in the question is also itself very closely related to the IT field, so it would be useful and beneficial to have an understanding of it, its functionality, and opportunities it may suggest.
This issue is a good fit to my current level of experience and knowledge as the entry threshold is not quite high and I already obtain all necessary prerequisites that may exist, for example, being an experienced computer user and a person who has learning background and a need to learn further IT related skills.

3. IDENTIFY A USEFUL SOURCE OF INFORMATION

Demonstrate your ability to answer your research question by identifying a relevant, appropriate, and reliable source of information. Use APA @ Conestoga style to list this source in the space below. Remember to consult our APA @ Conestoga website!

AlAfnan, M. A., Dishari, S., Jovic, M., & Lomidze, K. (2023). Chatgpt as an educational tool: Opportunities, challenges, and recommendations for communication, business writing, and composition courses. *Journal of Artificial Intelligence and Technology, 3(2)*, 60–68.
https://doi.org/10.37965/jait.2023.0184

4. JUSTIFY YOUR POTENTIAL TEXT

Demonstrate the suitability of your supporting text by answering the following questions.

a) How do you know this source is trustworthy?

1) Authors are professors of the university.
2) The source is the journal.
3) The source has all necessary citations and references.
4) Publication date is relevant.
5) This source is cited in other trustworthy sources.
6) The journal is peer reviewed.

b) What makes this source appropriate for your current level of experience and knowledge?

The information is appropriate to my level of expertise in this field and provides the necessary level of details, all terms and methodology is clear and understandable. No specialized prior knowledges is required. High level of abstraction makes the subject matter understandable to the wide range of people to which I belong. Previous experience in learning, self-study, and various skills of the IT field allow to absorb the material even more efficiently and quickly than it could be.

c) What will this source help you to learn about the topic of your research question?

This source of information will give me a sufficient and solid understanding of the topic of my research question both in general and in detail. It will create a fundament of the whole work and its conclusion and can be used as main source of information for the research. It should be compared with some other sources to exclude any bias and then the work is almost completed if no contradictions are found. Otherwise, it should be revised and analysed one more time.

5. USE YOUR SOURCES TO DEVELOP YOUR THINKING

We have learned in class that academic research and critical thinking is an "iterative" process, which means it is a process that develops in stages that build upon the previous stages.

a) Based on the information you found in your initial source of information (i.e. the source you identified in #3 above), identify a second source of information that would help you to answer your research question effectively. Use APA @ Conestoga style to list this source in the space below. Remember to consult our APA @ Conestoga website!

Dempere, J., Modugu, K., Hesham, A. & Ramasamy, L. (2023). The impact of ChatGPT on higher education. *Front. Educ., 8(1206936),* 1-13. https://doi.org/10.3389/feduc.2023.1206936

b) Explain how this additional source of information would add to your understanding of the research question you developed.

This source of information allows to check any possible contradictions with previous one and to make a more complete conclusion about the issue of research. It also provides additional information about the topic - more detailed analyse of the role of AI in higher education learning that can be a good point in the academic research as it is especially important in this field. In addition, looking at this subject from different experts allows the study to be more objective and correct.

c) Based on the results of your initial research, would you make any changes to your original research question? Why or why not? If you would, what might that change include?

No, I would not do any changes to my original research questions.
The information I gained from the results of the initial research is sufficient to give a complete and appropriate answer to the research question. Even despite IT does not mentioned explicitly in the name of publication, the contents of the articles and its examples cover this theme entirely. However to make the question a bit broader, it is possible to remove the IT clause, but then the research should contain more examples from different fields and general information.

6. Distinguish Sources of Information According to Purpose and Audience

Reference materials like Wikipedia can be a useful tool for background research, but they are not intended to replace the kind of critical thinking and interpretation that is expected when students are asked to engage with complex questions and problems.

But, it is worth asking…why not?

Find the Wikipedia page that most closely matches the focus of your research, and in the space below, explain how this response might fail to meet the expectations of an academic a research-based writing assignment at Conestoga College.

In your response, you might consider what we have learned about any or all of the following:

- audience and purpose,
- tone and voice,
- organizing and developing ideas,
- using text references to support your academic writing, and
- APA @ Conestoga style guidelines.

There are enough problems that may arise using Wikipedia response in academic research.
1) Wikipedia texts and my one is not an exception are too complicated and dry. It is always not a good solution to create difficulties where they can be avoided.
2) The text was written by several authors, so even they are all trustworthy and reliable, the result of their pieces of work loses in consistency to sources discussed previously.
3) Wikipedia text does not adhere to APA @ Conestoga style guidelines, that creates lots of difficulties using it.
4) The tone of text is encyclopedic that makes it more difficult to understand, but it also describes the material sometimes too general, so it is not a complete information and it is hard to absorb it.
5) The text was about existing knowledge, it was not up-to-date.