Date of form completion: March 7, 2022

Student name: Tzuriel Murray

Student’s possible graduation date: May 2023

Students required courses remaining for graduation:

Research category: Project or Thesis (select one). The psychology of computer programming E-learners

Main adviser's name: Dr. Liles

Committee faculty name 1:

Committee faculty name 2:

Committee faculty name 3:

Note: Answer all the questions in as much detail as possible. If you need help, please contact your adviser or the committee faculty member for help.

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Section 1: Introduction and literature review.

1. What is your established area to research? My established area to research is on the psychology of computer programming E-learners.
2. What is the research question you want to address? I want to address the personality traits, cognitive abilities, and learning motivating factors of computer programming E-learners.
3. Is research within the achievable research goals? Please explain how? I think research is within the achievable research goals because there are numerous E-learners that can provide me with enough data.
4. Have you considered argumentative, integrative, historical, methodological, systematic, and theoretical sections? I honestly never considered any of those functions.
5. What is your problem statement? Computer programming E-learners have different personality traits, cognitive abilities, and learning motivating factors compared to other E-learners.
6. State existing literature on selected topic? “Educational systems around the world encourage students to engage in programming activities, but programming learning is one of the most challenging learning tasks.”
7. What is existing data evaluation, analysis and interpretations available? All of this exist on the article about my subject.
8. Are the articles credible, and address objectivity, persuasiveness and values of conducted study? The articles are very credible. They go over all three bullet points in detail; they contain multiple hypotheses; and they contain multiple statistical analyses.

Section 2: Methods.

1. Introduce the overall methodological approach for investigating research problems? The methodological approach involves a systematic method to resolve a research problem through data gathering using various techniques, which provides an interpretation of data gathered and draws conclusions about the research data.
2. Indicate how the approach fits the overall research design? The approach fits the overall research design because you are gaining interpretations of the research data and conclusions.
3. Describe the specific methods of data collection you are going to use? I am going to obtain qualitative and quantitative data while I am researching and attempting to get information out of other E-learners.
4. Explain how you intend to analyze results? I intend to analyze my results by comparing them to each other.
5. Provide background and rationale for methodologies that are unfamiliar for the readers? I do not think there are other methodologies that are unfamiliar to the readers.
6. Provide a rationale for subject selection and sampling procedure? My rationale is that I am simply curious on the psychology of computer programming E-learners due to being a computer engineering major.
7. Address potential limitations? The main potential limitation is that I might have a difficult time finding computer programming E-learners.

Section 3: Results.

1. State an introductory context for understanding the results by restating the research problem that underpins the purpose of study?
2. Summarize the key findings arranged in a logical sequence?
3. Include non-textual elements, such as figures, charts, photos, maps, tables, etc. to further illustrate the findings?
4. Summarize the results, highlighting for the reader observations that are most relevant to the topic under investigation?

Section 4: Discussion.

1. State the major findings of your study?
2. Explain the meaning of the findings and why are they Important?
3. Relate the findings to similar studies?
4. What are alternative explanations of your findings?
5. What are your study limitations?
6. What are suggestions for further research?

Section 5: Conclusions.

1. Present the last word on the issues raised by you?
2. Summarize thoughts and convey the larger implications of your study?