

CSC 450, Senior Research Literature Review

1. Write a **literature review** (roughly two double-spaced pages, not including references) that contains background information about a computer science topic, discusses related work, and would support the research project you are pursuing. Your review should be written appropriately for a reader who has an undergraduate degree in computer science. **The literature review must have at least 10 references, and at least 6 references must be research articles.** The literature review will serve as a basis for the introduction to your proposal and final paper, will provide points for discussion, and can generate ideas regarding your project's methodology. However, the literature review does not describe your specific project, only work that has been done in related areas. Note that *related* work includes work related to any aspect of your project, whether it relate to the general topic, the specific question, or related methodologies.

You must submit this assignment through Blackboard by the beginning of class on the due date to receive credit. The assignment will be submitted through SafeAssign. The assignment may be submitted once before the due date so that you can look at the SafeAssign Report, and make changes as necessary (you will need to ask me to clear your submission if this is the case). Work that is plagiarized will not be accepted. Late submissions will not be accepted. The literature review will be evaluated using the rubric on the following page:

Background information

30 points

- Background is presented in a clear and organized manner
- Background is sufficient to understand the general topic, and describes key terms and concepts

Significance (importance)

30 points

- Significance is presented in a clear and organized manner
- Significance includes why the research topic is important for its field and society as a whole
 - How does society benefit from studying this topic?

Related Work

40 points

- Related work is presented in a clear, organized, and critical manner
- The methodology, major findings, significances, weaknesses, and limitations of related work are discussed.
- Related work includes articles with similar research questions or objectives, similar methods, or analyses of similar Datasets.

Additional Requirements

- **Title:** The paper has a descriptive and specific title. For example, “Machine Learning” is too broad a topic, but “Machine Learning Methods” or “Machine Learning Applications” would be acceptable. [**5 point deduction if not met**]
- The paper does *not* describe your specific project (and therefore does not contain “I” or “we”) [**10 point deduction if not met**]
- **References:** The paper contains at least 10 references that are cited in the manuscript and included in the *References* section using IEEE format. References need to be cited in the body of the lit review, and not just appear at the end. [**paper is not acceptable if it does not contain any citations or any references**]
- **Format:** The paper is approximately 2 pages (excluding references) and double-spaced with 1" margins. All paragraphs except for the first are indented. Arial (font size 11) or Times New Roman (font size 12) are used throughout. The paper includes a title in bold, followed by your name. The title may be one font size larger. At the end of the paper is a *References* section. The word *References* is bold, and the font size for the references section is 1 size less than the rest of the paper. [**up to 10 point deduction if not met**]
- **Spelling and Grammar:** The paper is well-written and contains few, if any spelling mistakes or grammatical mistakes that detract from the reader’s ability to understand the paper [**up to 20 point deduction if not met**]