CSC 450**, Senior Research Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Critical Evaluation of a Research Article**

Select a *research* article related to your topic. You should be prepared to spend some time on selecting an appropriate article that is relevant to your topic. Identify and ‘read’ articles by first reading the abstract, then looking at all figures and tables. Then read through the article (you may need to read it multiple times). The article must be a ***research*** article published in an academic journal or presented at an academic conference that contributes a new finding to the field of computer science. *The article cannot be a review article, patent, or book*. In general, a *research* article is an article that applies a methodology to answer a specific question. However, if the methodology involves only summarizing what other people have done, then the article is NOT a research article, but may be a *review* article. If the methodology cannot be described, then the article is NOT a research article.

Don't hesitate to ask if you are unsure of whether or not a specific article is appropriate or if you need help finding an article.

**You must submit this assignment through Blackboard by the beginning of class on the due date to receive credit.**

Read your article and answer the questions that follow.

1. State the title of the article, the authors, and provide a link to the article here.
2. What is the research problem the paper attempts to address?
3. What is the significance of the problem (why is the problem important)?
4. What is the author's thesis or major finding? That is, what is he/she trying to convince you of? What are the claimed contributions of the paper?
5. How does the author go about trying to convince you of the thesis? What is the research paradigm or methodology that the author used? Are you convinced of the validity of the author's claims?
6. Does the author describe other work in the topic? If so, how does the research described in the paper differ and/or build from the other work?
7. State at least two potential questions or research projects that follow from this work. (These may or may not be stated in the article)
8. Identify any mistakes in the paper and/or aspects of the methodology that can be improved.