CS 599 - Research Paper Summary/Evaluation Guidelines

There is a lot more to Computer Science than you will be exposed to through your normal coursework. The purpose of the extra credit is to give you an opportunity to learn about current research trends in computing and IR. Keeping up with trends and learning to evaluate critically what you hear and read are valuable professional skills.

You have one opportunity for extra credit based on short readings of current topics in computing worth up to one point (ungraded) added to your final course grade.

You will read, summarize, and provide your thoughts on a recent article. Papers should be technically rigorous for the field Computer Science and Information Retrieval appear in IEEE or ACM journals or conferences (example: SIGIR, WWW, CIKM, JCDL). You can ask the professor about other papers if you wish to check their suitability.

The paper report should be typewritten (single-spaced, at most 12 point font). Your assignment should contain minimal spelling and grammatical errors, and should be formatted into sections with headings listed below.

- *Paper Bibliography Information*: title, author(s), where and when published, pages, year, etc. This should be presented as it would be in the list of references at the end of the paper. (Remember, select a paper from a high quality conference or journal that has been through peer review.)
- *Summary:* Provide a high-level summary of the paper including the following clearly labeled points. Describe in your own words the key ideas presented in the article that you've selected. The summary should be at least 150 words, but no longer than 500 words. In this part of the assignment, you need to provide enough information to accurately communicate (summarize) the major points covered, in a cohesive and understandable manner.
    - *Problem Statement*: In your own words identify the problem addressed in the paper and why the problem is significant.
    - *Proposed Solution*: Describe the solution method proposed by the author(s) or the analysis completed by the author(s).
    - *Results/Findings*: Summarize the major results/findings/conclusions of the paper.
- *Critique*: Provide your critique of the paper, as if you were reviewing a paper submitted for publication. Describe your opinions (positive and negative) about the research, note aspects strengths and weaknesses of the paper, identity items you particularly like and those that you think could be improved (and note how), identify open issues that relate to the problem area but are not addressed in the paper, etc. This is the most important part of the report. This should be at least 75 words, but no longer than 300 words.