

CS 2001: RESEARCH TOPICS IN COMPUTER SCIENCE

Fall 2019

Instructor
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Meeting Times
MW 1:00 - 2:15 PM
6516 SENSQ

Paper Review and Synthesis Assignment

Reviewing papers is a critical skill for successful scientists. It is an important component of identifying research questions and writing research proposals. In this term assignment, you are required to select a **topic** and identify at least **five** papers related to this topic. For each paper, you are required to write a review summarizing the main points, methodology and contributions made in the paper, along with a discussion of why you think the paper did or did not make a significant contribution to the state-of-the-art. You are also required to write a comprehensive review that demonstrates (a) synthesis across ideas and content areas, and (b) competency and specialization of knowledge within a particular domain. Your comprehensive review should be written for an audience that is relatively familiar with field of Computer Science, but not necessarily with the state-of-the-art of selected topic. Finally, you need to prepare an oral presentation of your comprehensive review.

This assignment will involve the following main steps:

1. Select a topic and identify papers related to the selected topic. You must carry out a thorough search to collect relevant papers and select papers related to your topic of interest. Submit a list of the selected with a brief summary¹ of the paper, not to exceed two short paragraphs.
 - Due Date: September 18th, 2019
2. Submit a review of each paper

¹ This is not a review of the paper.

- Due Date September 30th, 2019
3. Synthesize the summaries of the selected article into a final review paper.
 - Due Date: October 30th, 2019 – First Draft
 4. Submit a final review paper
 - **Due Date: November 25, 2019 – Final Review**
 - **Your final review paper SHOULD NOT BE A FIRST DRAFT.** Before submitting your paper, you should have already revised and edited your paper – several times! You are encouraged to ask a peer, a friend or classmate for feedback before you turn your final review paper. The final paper should be five double spaced text pages. Do not forget to list relevant citations in your paper review.
 5. Prepare an oral presentation
 - December 4th, 9th and 11th.