

4511W, Fall-2017

WRITING ASSIGNMENT 3:

Assigned: 10/29/17 Due: 11/05/17 at 11:55 PM (submit via moodle) Submit only pdf files (you may also submit a tex, bib and pdf in a zip)

Written (1-2 pages)

For this writing you need to find at least three technical papers relating to the same subject and do a comparison between them. The subject may be of your choice, but there must be some similarity between the papers. You may either focus on a narrow subject (different versions of A*) or a wide subject (different methods to solve the TSP problem). As you will have to do a light literature review (i.e. this sort of thing) for your project, it would save time if you picked three papers relating to the project you want to do.

The three papers need to be technical peer-reviewed papers and cannot be blog posts or websites. Wikipedia does not count, though you can typically look at the references on the bottom which often link to technical papers. Another option for finding these are through scholar.google.com, which is a google search specifically for academic papers (anything you find on here should be peer-reviewed). The “writing3sample.bib” lists possible conferences/journals at the top, which you can also search through. If you have any questions regarding whether a source is acceptable, ask a TA or instructor (me). If you get stuck at a pay-wall website, typically the UofM pays for access through these (though you may often find a pdf publicly available if you click “All x versions” below the link & description). Instructions on how route your browser through the UofM to get access is described here: <https://www.lib.umn.edu/howto/tools/bookmarklet>

After finding and reading at least three articles, you need to write (1) a paragraph summarizing the key points of each one, then (2) analyze the differences between the papers. Here are some sample ways in which to compare them (**this is just a list of possibilities, you may compare them however you think is appropriate**).

- Accuracy
- Speed
- Memory
- Type of problem addressed
- Parallelize-able
- Application setting
- Assumptions for the problem

You need to properly cite your sources using bibtex (if you use google scholar, they provide a bibtex citation for you). See the “writing3sample.tex” and “writing3sample.bib” for examples on how to do this. You should cite whenever you are referring to some aspect of their paper and not your own thoughts. These citations can either come at the end of a sentence, in the middle or used as a noun (though normally not the first word in the sentence). If you are using overleaf, you will have to make a second file in your “Project” for the bib file.

(See comments at atop of “writing3sample.tex” for how to compile latex with a bibliography)

Grading

Latex 20%

3 references properly cited 30% (10% per)

Summary of references 30% (10% per)

-- 15% writing clarity (5% per)

-- 15% succinct summary (5% per)

Analysis of similarities/differences 20%

-- 10% writing clarity

-- 10% depth of analysis