

4511W, Spring-2020

WRITING ASSIGNMENT 2:

**Assigned: 02/25/20 Due: 03/02/20 at 11:55 PM** (submit via Canvas) Submit only a pdf

## Written

For this assignment you are asked to read the following paper describing a randomized search:

<http://www-users.cselabs.umn.edu/classes/Spring-2020/csci4511/assignments/Janakiram1988.pdf>

Write an approximate 2 page summary and analysis of the paper. You **must** answer the first set of three questions as part of your analysis. I then provide some ideas on other ways to analyze the paper. These later questions are just suggestions and you do not need to answer any if you do not wish to. You may analyze the paper in whatever manner you find interesting, but you must demonstrate significant critical thinking.

Answer the following questions (and provide justification):

- Describe the “rsbb” algorithm in your own words
- What is table 1 describing?
- What is the major benefit the paper is giving for their algorithm?

Some suggestions on what to summarize/analyze:

- What is the problem setting that they are solving for?
- What assumptions do they make about the environment or agent?
- What novel contribution does this paper provide?
- How does this paper relate to other people's work
- Are there any drawbacks to the approach?
- How do they justify that this is a good approach?
- Is the justification sufficient?
- What other areas could use justification?
- Is their procedure clear? Could you implement their algorithm?
- Is the paper clear and concise?

When answering the above questions, you should avoid quoting the author's of the paper (i.e. use your own words). If you are going to quote anything specific, make sure you cite the source (i.e. the authors). You should refrain from simply rephrasing what the authors said.

Grading:

- 20% Succinct summary
- 20% Depth of analysis for required questions answered
- 20% Depth of other analysis
- 20% Writing clarity
- 20% For using latex