CptS 575: Data Science
Fall 2019
Survey Paper Topic Proposal

Name: Reet Barik

Topic: Graph Vertex Ordering (or reordering)

Reason: I am going to start as a PhD student with Dr. Ananth Kalyanaraman as my advisor from the upcoming semester of Spring 2020. The research topic I will be looking at initially is 'Graph Vertex ordering (or reordering)' wherein my focus will be on mainly locality preserving orderings (also known as 'clustering' in the database domain). I am hoping this will be a good topic for a survey paper for me since this will serve the purpose of CPTS 575 and simultaneously help me out in the initial research that I need to do to familiarize myself with this topic before I start my PhD (that is also the rationale of me choosing a topic that is completely unrelated to my semester project topic). Hopefully, you feel the same. Looking forward to you feedback.