Milestone Report for
Research on Oblivious Algorithms
15-400, Spring 2021

Mike Xu

https://mkpjnx.github.io/ObliviousSort/

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1   Progress Update

After some additional investigation on the OpenMP framework, we have decided on a particular construct that best capture the parallelism within our algorithm. Unfortunately, we were unable to meet with Professor Shi this past week, but I will be presenting my baseline testing findings as well as performance evaluations for the ORBA algorithm itself.

I am currently working on better documentation of the code that I have written, as well as usage guides that will be helpful for others who may wish to refer to my implementation. My hope is that this will improve readability and usability.

2   Looking Forward

Because we did not have a meeting this past week, I continued to work on the goals set in the previous milestone report. For tomorrow's meeting, I hope to have a chance to discuss the more high-level questions posed in the last report, as the day of the poster session is now even closer.

3   Milestone Adjustments

Unfortunately, we have yet to begin work on the graph algorithm aspect of the project. I suspect that this will ultimately be deferred as we focus on performance evaluation of the algorithm itself.

4   Resources Required

No additional concerns so far.