ECE 49600
Name of student: Ben Gottfried
Name of instructor: Milind Kulkarni
Project title: Optimizing Point Cloud Algorithm
Credit hours: 2
Term: Spring 2020
Brief description of the project: Design and implement more efficient algorithms to encode and compress 3D representations of space.
Brief summary of the results: The algorithms are proven to be correct, the serial implementation is working, but before benchmarks and experimental results can be analyzed, there are unfortunately a few more details I need to handle in the cilk and CUDA implementations, but I will finish those this summer.

All other further information is contained in the following paper: