Study Guide for CS 2720: Data Structures, Spring 2015

1. Recursion
2. Binary Tree (a special case is binary search tree)
3. String search: KMP algorithm (when I give the algorithm, you should be able to run it on a given pattern and text).
4. Radix sort
5. Counting sort
6. Quick sort (Hoare’s partition vs. Lomuto’s partition)
7. Hashing
8. Array
9. Bit operation (5-10 points: bit and &, bit or |, bit xor ^, right shift >>, left shift << )
10. Stack
11. Queue
12. Linked list