CS Bootcamp: Theory

Submit your typed answers to the questions below using the department's Gitlab server by November 13, 2015 @ 11:59pm. Put your PDF into a folder named theory_assignment5.

- 1. Provide pseudocode for a stack using a singly linked list. The operations Push and Pop should still take O(1) time.
- 2. Write an O(n)-time recursive procedure that, given an n-node binary tree, prints out the key of each node in the tree.
- 3. Write an O(n)-time nonrecursive procedure that, given an n-node binary tree, prints out the key of each node in the tree. Use a stack as an auxiliary data structure.