

Illinois Institute of Technology
Department of Computer Science

Projects

CS 430 Introduction to Algorithms
Spring Semester, 2014

1. Algorithms, implementation and asymptotic behavior for finding spanning trees.
2. A study of the state of the art for constructing Minimum Spanning Trees
3. Travelling Salesman problem: A study and implementation of algorithms for the problem of finding travelling salesman tours of minimum cost.
4. A study of TSP for points located on the euclidean plane.
5. Algorithms, implementations and asymptotic behavior for the shortest path problem
6. Self-Organizing data structures Splay tree and comparison with balanced (Red-black) trees
7. Comparison of Hashing schemes.