Algorithm training plan

# Goal

Gain interview confidence and sharpness

Yet be ready and be scare of what might come

# Topic

Sorting – basic

implementing selection – 6 Dec 2016

bubble sort – 6 Dec 2016

Recursive stuff – small talk

7 queen – might be enough – 7-8 Dec 2016

Merge sort – 9 Dec 2016

quick sort – 10 Dec 2016

Linked list - C

Single and double linked list – Week of 12 Dec 2016 – ENDOFYEAR

These can wait for Summer 2016

Tree

Tree traversal

Binary search – sentinel search

Hash – Concept only – may be basic implementation – easiest one

Divide and conquer

Basic induction - Concept only – may be not with me

Bit manipulation

Games

Dynamic algorithm

Best way to go from top to bottom

The 1d optimization problem

<http://www.spoj.com/problems/ACODE/>

Graph related

Spanning tree

<http://www.spoj.com/problems/MSTS/>

Shortest path

<http://www.spoj.com/problems/SHPATH/>

BFS

DFS

# SPOJ problems

<http://www.spoj.com/problems/PALIN/>