Interview Camp - 3 days/week Study Schedule

Go Through Pre Course Material

Week 1

Weekday	*Saturday*	*Sunday*	
Arrays and Strings I Traverse Array in Reverse Traverse from Both Ends Dutch National Flag Subarray Sum Problems	**Binary Search** Implementation With Duplicates Record & Move On Special Tricks **Recursion and Backtracking** Memoization Auxiliary Buffers	**Recursion and Backtracking** Backtracking Problems **Linked List** Implementation Append Function Deleting Nodes Slow & Fast Pointer Linked Hash Table	Weekly System Design

Week 2

Stack Intro Stacks as Restriction Stack with Max Expression Evaluation **Queue** Intro Sliding Window	**Queue** Queue with Max **Dynamic Programming** DP Myths Intro and Approach	**Arrays and Strings II** Max Diff 2D Arrays Add/Multiply Special Tricks	Weekly System Design

Week 3

Hash Table & Hash Functions Implementation Hash Functions String Search **Graphs I** Basics Depth First Search Breadth First Search	**Graphs I** Topological Sort **Line Sweep** Intro Skyline Problem **Heaps** Intro, Implementation	**Selection Algorithm** Intro Implementation **Sorting** Algorithms Intro Merge & Quick Sort Stability & Large Data Special Tricks	Weekly System Design

Week 4

Bit Manipulation All Sections **Graphs II** Detecting Cycles Bipartite Graph Connected Components	**Binary Tree** Traversals Top to Bottom Bottom to Top LCA Reconstruction **Trie** Intro Implementation	**Binary Search Tree** Implementation Record and Move On Successor LCA Building Balanced BST **Majority Search** Search n/2 majority Search n/k majority	Weekly System Design

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