|  |  |  |
| --- | --- | --- |
| Data Structures | Algorithms | Concepts |
| Linked Lists | Breadth First Search | Bit Manipulation |
| Binary Trees | Depth First Search | Singleton Design Pattern |
| Tries | Binary Search | Factory Design Pattern |
| Stacks | Merge Sort | Memory (Stack vs. Heap) |
| Queues | Quick Sort | Recursion |
| Vectors / ArrayLists | Tree Insert / Find / etc. | Big-O Time |
| Hash Tables |  |  |