# Final Review

# Topics You Should Know

- Structs
  - Including Object Oriented programming techniques in C
- Dynamic Arrays
  - Vector expansion techniques (Geometric vs Incremental)
- Linked Lists
  - Detecting Malformed Lists
- Stack and Queue
  - Linked List vs Array Implementations

- Binary Search Tree
  - properties, insertion, deletion algorithms, and traversal
- Heap
  - Heapify Algorithm
  - Array Implementation
- Hash Tables
  - Use Case
  - Hash Function
  - Collision Resolution Techniques