



# CS 225 So Far...

## List ADT

- Linked Memory Implementation (“Linked List”)
  - $O(1)$  insert/remove at front/back
  - $O(1)$  insert/remove after a given element
  - $O(n)$  lookup by index
- Array Implementation (“Array List”)
  - $O(1)$  insert/remove at front/back
  - $O(n)$  insert/remove at any other location
  - $O(1)$  lookup by index