

# CSE 12 – Basic Data Structures and Object-Oriented Design

## Lecture 20

Greg Miranda, Fall 2020

# Announcements

- Quiz 20 due Monday @ 9am
- Survey 7 due tonight @ 11:59pm
- PA6 hard deadline tonight @ 11:59pm with 5 point late penalty
- PA7 due Tuesday, December 1<sup>st</sup> @ 11:59pm (Week 9)
- Exam 2 Review during discussion on Tuesday
  - 9am – 9:50am, 10am – 10:50am
- Exam 2 – Released Tuesday @ 6pm, due Wednesday @ 11:59pm
  - 60 minutes once you start - see Piazza post for more details

# Topics

- Heaps
- Questions on Lecture 20?

# Max Heap (draw the picture and array)

- Assume the key and value are identical for this example
- Draw the picture and the array for the following:
  - Add the following elements to the max heap (in this order):
    - 5, 10, 15, 25, 30, 35, 40
  - Call poll() twice
    - What elements were returned?

Questions on Lecture 20?