## CS2100

Doubly linked Lists

- HW or lab due over the weekend Aside: HW suggestion
refront is useful for
de bugging
in Jump:
Contac walk > element << ""ca
walk > refront
- Review Monday
- Test Wednesday UST: Motivetion Insert in vectors is slow! If I'm Changing 1 thing, want Old. Doubly linked List strict: template Etypename 1> Struct Node & Vode + prev; Node (TR d=T(), Node & p=/hll, Node (n=Null): - date(d), next(n), -prev(p) E3 pred data next

Circularly Inted 11sts: (w/ Senting node) empty IIa Frant sent private variables: Node sent? unsigned int size;

Issue: Pointers Think about insert: \_sent A B CT What do we need to send as input?

In C++, Dointers should be kept hiden + used cationally. Why? -security So: we need a wrapped up pointer,
Set up to avoid seg (Think vector vs. array.) We'll call these iterators. (see code)

class iterator & private:

Node\* current; Public: 1/constructor operator ++ operator --

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