

A photograph of a massive ocean wave crashing, with white foam and deep blue water. The wave is curling over, creating a large, white, foamy crest. The water below is a deep blue, and the sky is a pale blue. The overall scene is dynamic and powerful.

CS225

Data Structures and Software Principles

Introductions

Anna Yershova:

- PhD, Computer Science, UIUC, 2008
 - Postdoc, Duke University, 2008-2010
 - Lecturer, UIUC, 2010-present
 - Oculus VR, Research Scientist, 2012-2014
- **Research interests:** Robotics, Virtual Reality

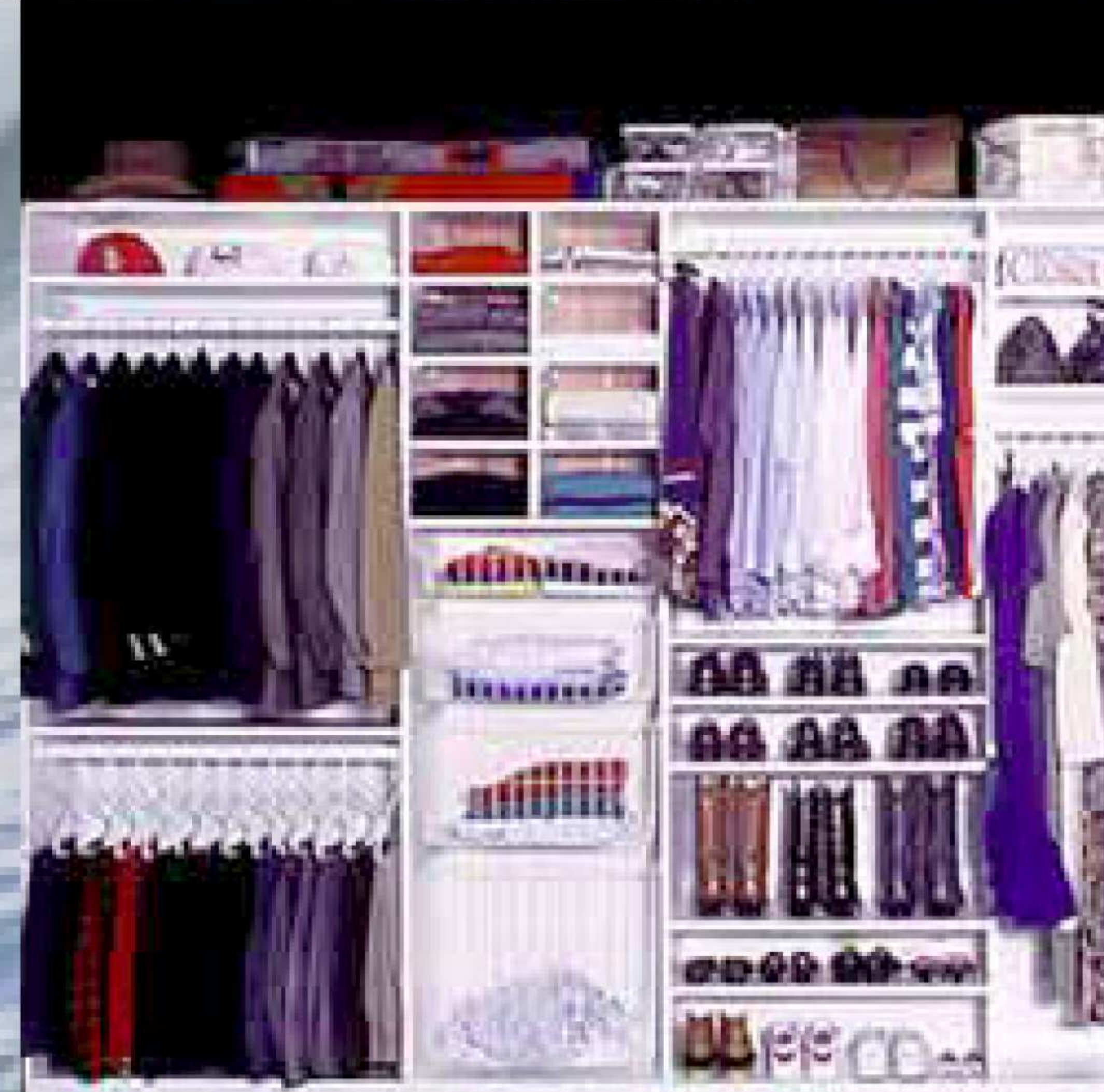
Staff: <https://chara.cs.illinois.edu/cs225/info/staff/>

Cinda Heeren: 

Thierry Ramais:



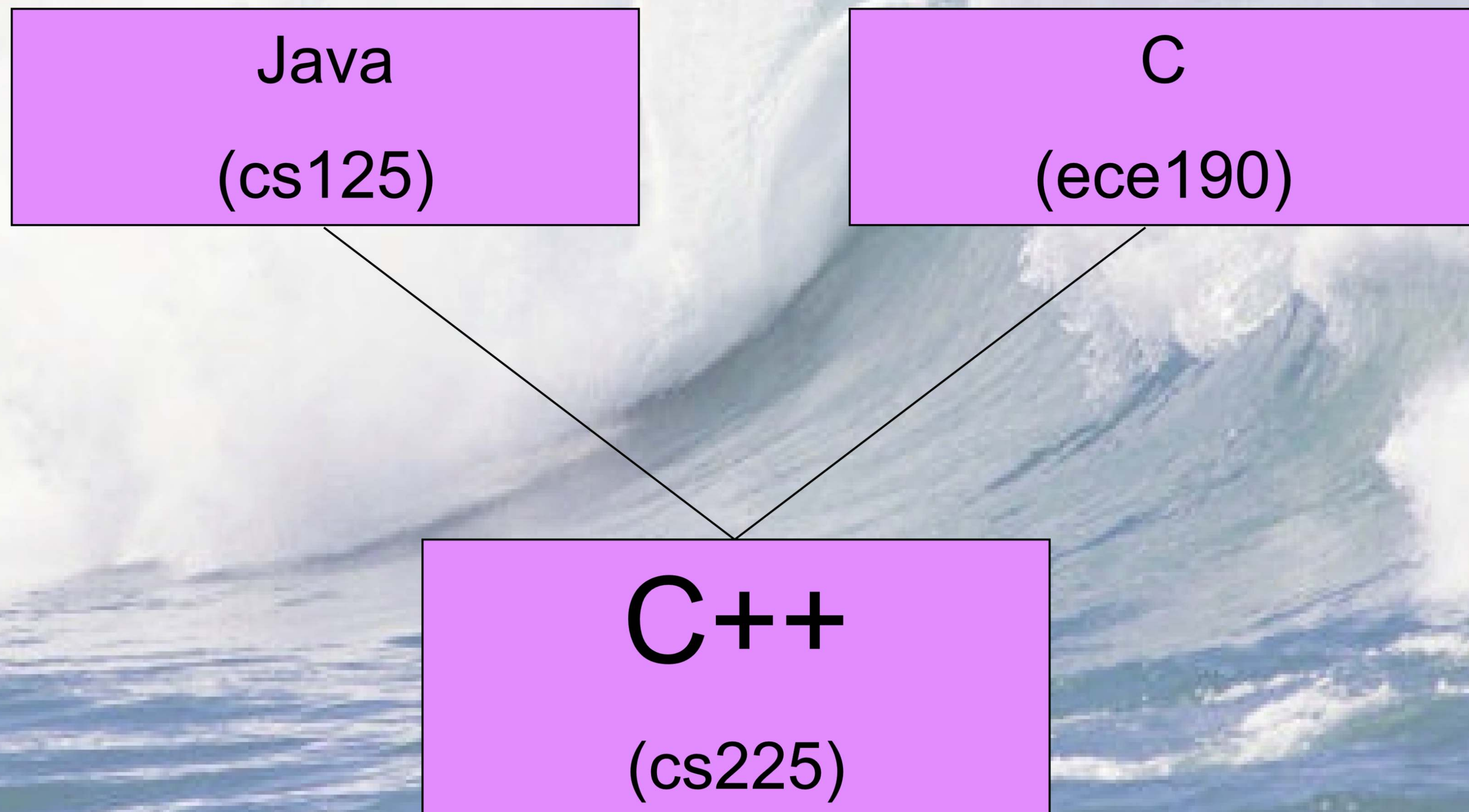
Where is Cinda?



What's this course like?

- A programming and “thinking” course
 - Not an easy course
 - Expect to work hard
- A fundamental computer science course
 - Must know if you claim to be a computer scientist
 - Must know if you want to be a good programmer and designer
 - Essential for many follow up courses

Where did you come from?



Today's Announcements

- * HW0 is available, due on Jan 25 in class and SVN.
- * Sections meet this week, lab_intro is due on Sunday, but not graded. We WILL run scripts on Sunday
- * MP1 is available, due on Jan 26, 11:59pm.
- * General assistance questions: post to piazza or attend office hours.

Classes in C++:

Every variable has _____, _____, _____, _____

Primitive types:

```
int myFavoInt;
```

```
char rating = 'E';
```

```
double u = 37.;
```

User defined types:

```
sphere myFavoSphere;
```

_____ is a group of _____ and _____

Structure of class definition

program.cpp

```
class sphere {
```

} ;

```
int main {  
    return 0;
```

}

- To compile:
g++ program.cpp
 - Compiler checks
syntax and creates
an executable
named
-
- To run:

Class Definition... where are we?

