CS 225

Data Structures

August 26 – Introduction

G Carl Evans

Introduction

G Carl Evans – CS PhD

Academic Interests: parallel and compilers, systems programming, education, and magic fairy dust

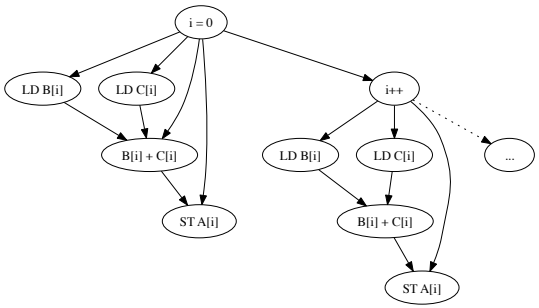
Mattox Beckman – CS PhD

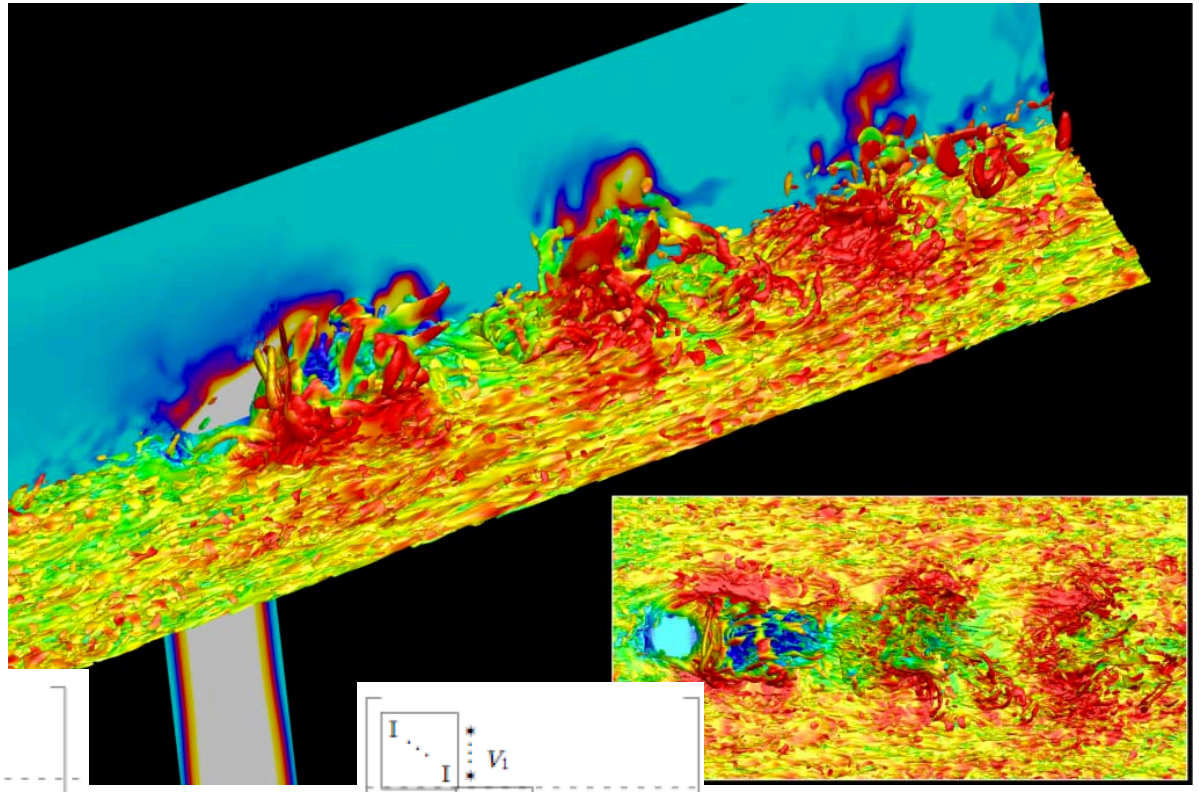
Academic Interests: functional programming languages and computer assisted education.

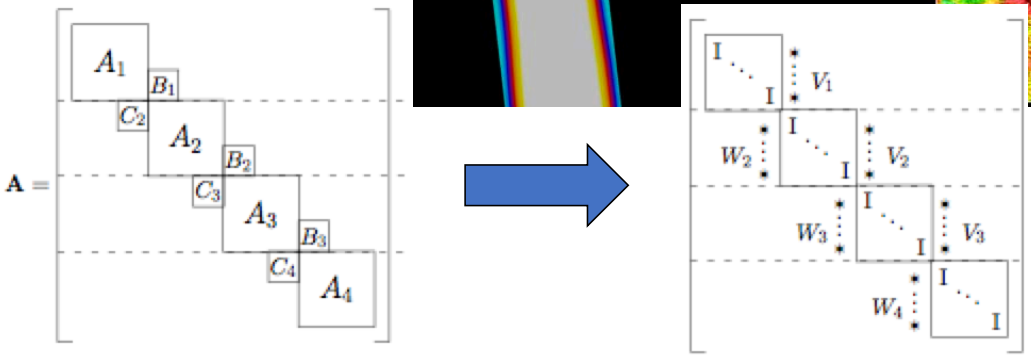
Course Staff:

You:

G Carl Evans


i = 0
LD B[i]
LD C[i]
i++
B[i] + C[i]
LD B[i]
LD C[i]
...
ST A[i]
B[i] + C[i]
ST A[i]



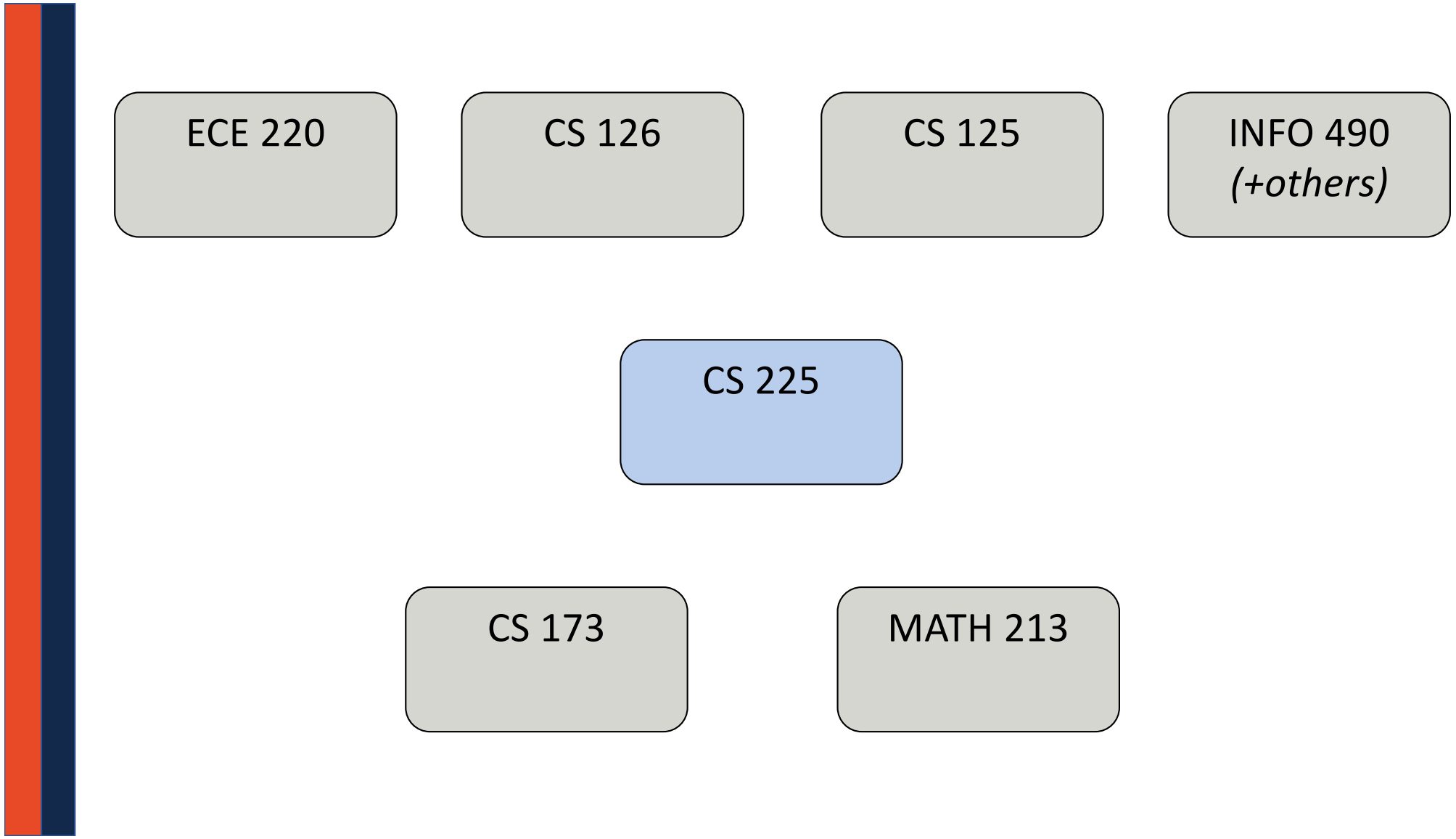

A =
A_1
B_1
C_2
A_2
B_2
C_3
A_3
B_3
C_4
A_4

I
V_1
W_2
V_2
W_3
V_3
W_4

Mattox Beckman

Course Staff

You


ECE 220
CS 126
CS 125
INFO 490
(+others)
CS 225
CS 173
MATH 213

Everything about CS 225

https://courses.engr.illinois.edu/cs225/

Information on:

- Staff
- Communications
- Lab Sections
- MPs
- Exams
- Grading
- Academic Integrity

What is this course about?

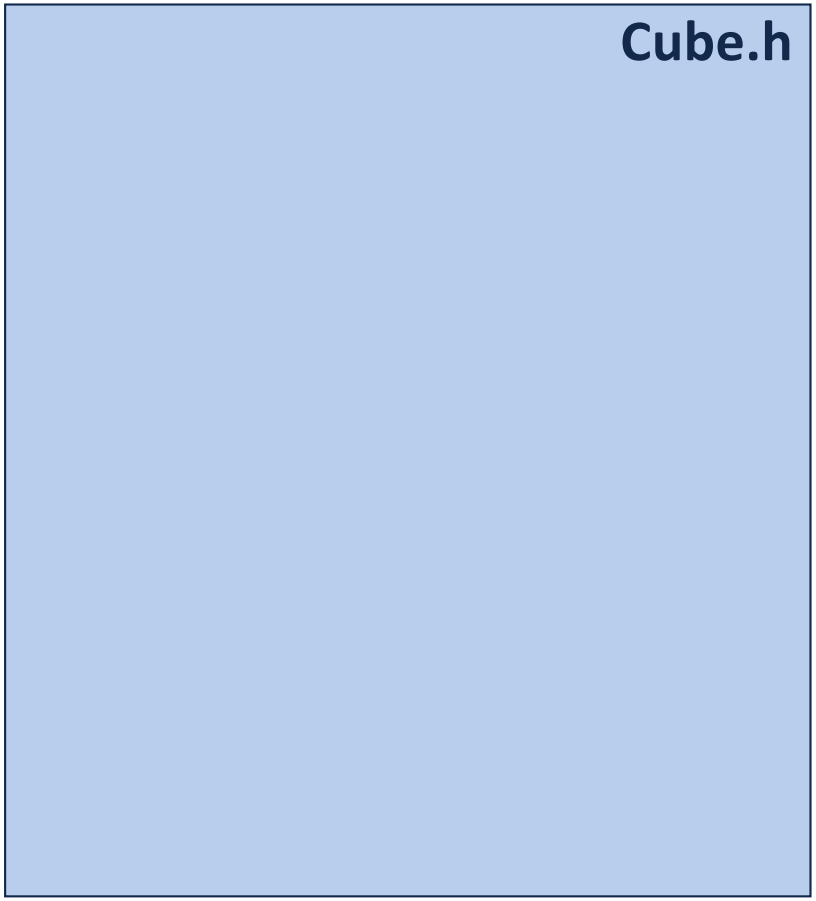
Variables in C++

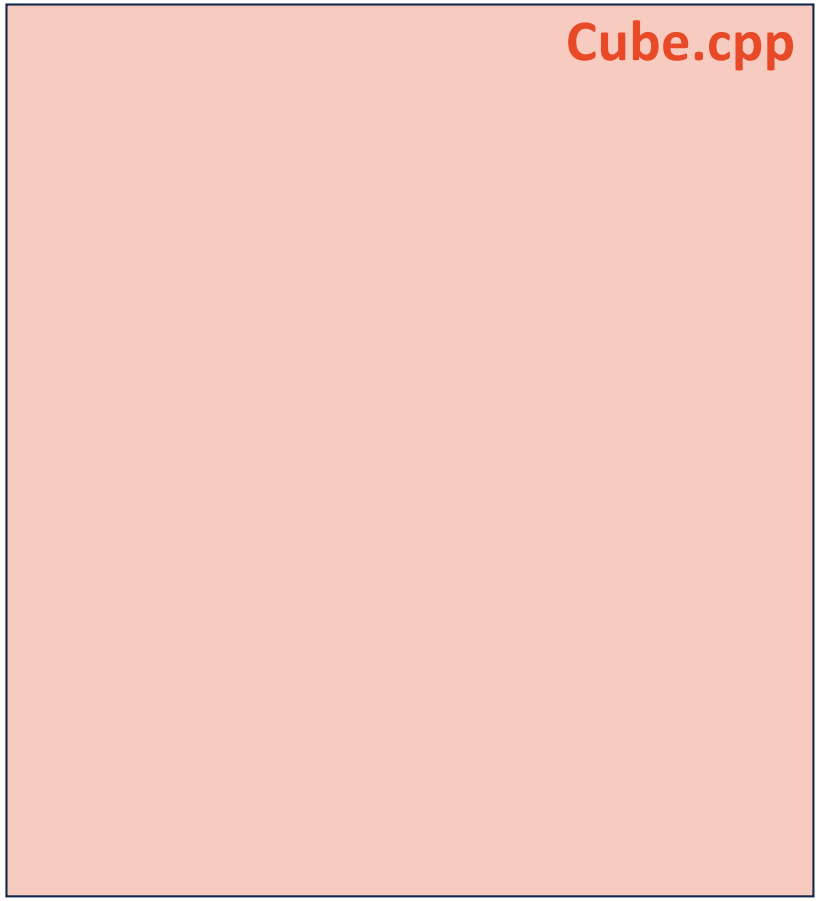
```
int myFavoriteInt;

char grade = 'A';

double gamma = 0.653;
```

```
Cat fiona, mia;

Cube rubix;

Person wade;
```

Encapsulation

Encapsulation





Cube.h

```
1  #pragma once
2
3  class Cube {
4    public:
5
6
7
8
9
10
11   private:
12
13
14 };
15
16
17
18
19
20
```

Cube.cpp

```
1  #include "Cube.h"
2
3  double Cube::getVolume() {
4
5
6  }
7
8
9
10
11
12
13
14
15
16
17
18
19
20
```

Cube.h

```
4  class Cube {
5    public:
6      double getVolume();
```