CS 225
Data Structures

Wade Fagen-Ulmschneider
Introduction

Wade Fagen-Ulmschneider – CS PhD

*Academic Interests*: data discovery/visualization, systems programming, education worth sharing, and magic fairy dust

Eric Shaffer – CS PhD

*Academic Interests*: computer graphics, scientific visualization, and scientific computation

Course Staff:

You:
My Passion: Data Discovery

GPAs at Illinois:

Diversity at Illinois:

And others:
Three programming assignments

Implement a simple ray tracer

Accelerate the ray tracer using two different data structures
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++

```cpp
int myFavoriteInt;

char grade = 'A';

double gamma = 0.653;

Cat fiona, mia;

Cube rubix;

Person wade;
```
Encapsulation
Encapsulation

sphere.h

sphere.cpp
#ifndef SPHERE_H
#define SPHERE_H

class Sphere {
    public:

    private:

};

#endif
#include "sphere.h"

double Sphere::getRadius() {
}

class Sphere {
    public:
        double getRadius();
};