



CSCI 2270

Data Structures & Algorithms

Gabe Johnson

Lecture 1

Jan 14, 2013

Introductions, Administtrivia, and *Why Am I Here?*

Lecture Goals

1. Introductions
2. Collab., Design, Learning, Coding
3. Syllabus Stuff
4. Existential Stuff
5. Recitations
6. Schedule

Upcoming Homework Assignment

HW # **Due: Friday, Jan 25**

Linked Lists

Implement a Linked List data structure including common operations.

Details to follow.

(I will remind you of upcoming HW assignments or tests at the beginning of each lecture.)

Team CSCI 2270

Instructor: Dr. Gabe Johnson

TAs:

Yogesh Virkar, Xin Pan, Shang Ma

LAs: TBD

Office Hours: TBD

Spring 2013 - CSCI 2270

	Sa	Su	Mo	Tu	We	Th	Fr	
Jan	12	13	14	15	16	17	18	
	19	20	21	22	23	24	25	hw 1
Feb	26	27	28	29	30	31	1	hw 2
	2	3	4	5	6	7	8	hw 3
	9	10	11	12	13	14	15	test 1
	16	17	18	19	20	21	22	hw 4
Mar	23	24	25	26	27	28	1	hw 5
	2	3	4	5	6	7	8	hw 6
	9	10	11	12	13	14	15	hw 7
	16	17	18	19	20	21	22	test 2
	23	24	25	26	27	28	29	
Apr	30	31	1	2	3	4	5	hw 8
	6	7	8	9	10	11	12	hw 9
	13	14	15	16	17	18	19	hw 10
	20	21	22	23	24	25	26	hw 11
May	27	28	29	30	1	2	3	
	4	5	6	7	8	9	10	test 3

Collaboration

Do! *Strongly Encouraged!*

Work with your friends, family, and bitter enemies!

Document all Internet help and student collaboration.

*caveat: **type everything** yourself.
this is important. especially at this
early phase of your software life.*

Design

This is as much about *design* as it is about typing C or Python or Java or whatever.

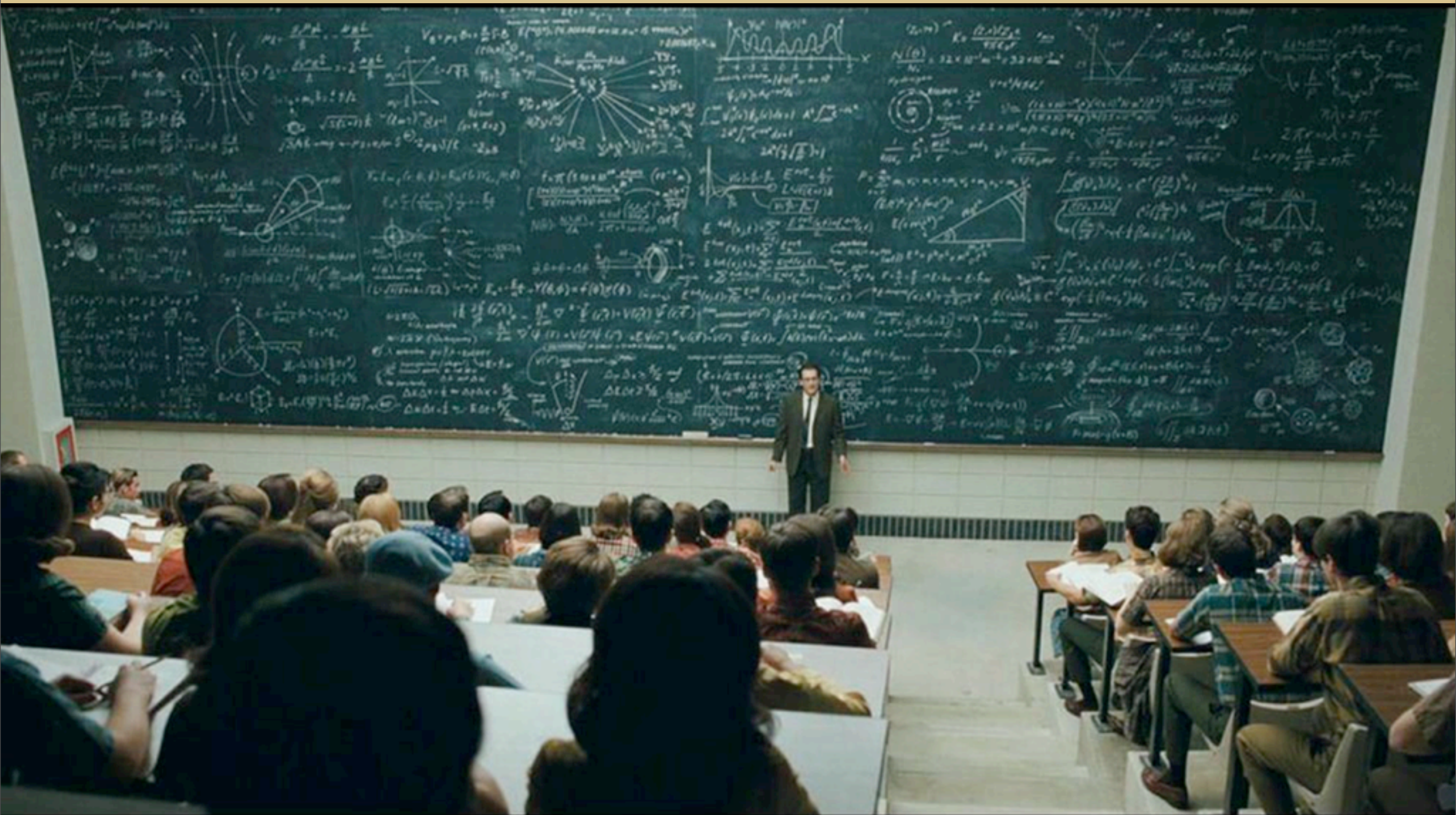
Design is as much about *understanding and framing* problems as it is *solving* problems.

Learning

The software world moves fast. *You have to be able to learn new concepts quickly.*

This is not an after-school special.
Characterize what you don't know, and
once you've figured it out, characterize the
strategy that worked. Remember and use!

Coding



Coding

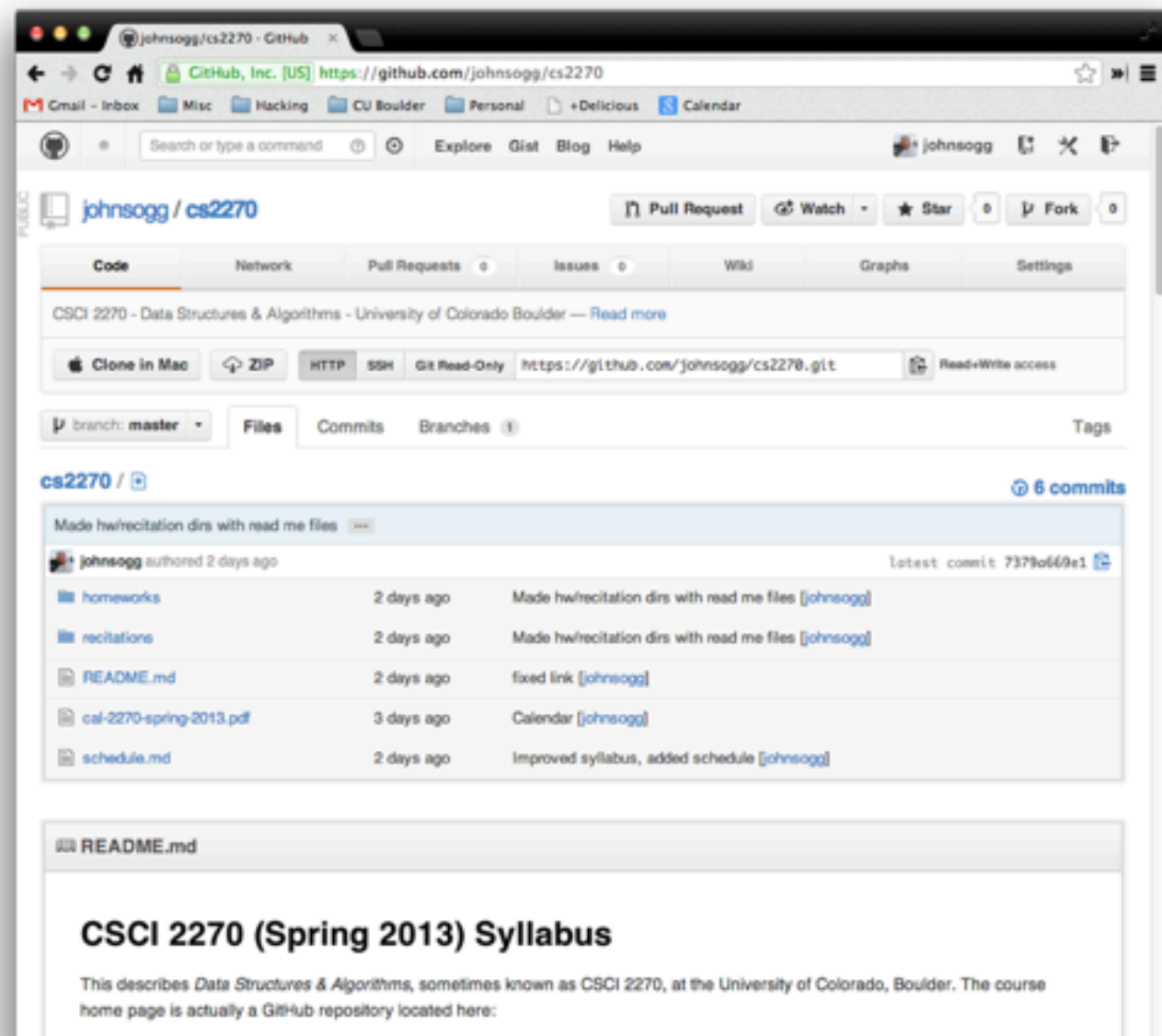
Writing code can be frustrating.
I assure you it is awesome.
Hang in there, and you will win.

**Leave machismo behind. Do not wield
your skills as a weapon.**

Syllabus Stuff

Course “Home Page” is really a Git repository.

github.com/johnsogg/cs2270



A COMMON MISCONCEPTION ABOUT COLLEGE

