

# This is CS50

grab 1 handout and 1 blank sheet by doors!

CPSC113:

Programming & Entrepreneurship



# CPSC 200b vs. CPSC 201b

Stephen Slade

Practice vs. Theory  
(you can take both)

The professor and the genie

Recursion

UNIX

Computer Architecture

CPSC 200: Python and R

CPSC 201: Racket (aka, Scheme, LISP)

CSPC 200 Topics:  
Software engineering  
Version control (github)  
Networks  
Object oriented programming  
Security, privacy, regulation  
Data science, machine learning

CSPC 201 Topics:  
Turing Machines  
Boolean logic  
Gates and circuits  
Formal languages  
Finite state automata  
Computational complexity

Biography (hybrid):

Yale B.A. Music

Yale MS, PhD, Computer Science

Wrote three books

Presidential politics, White House

NYU Business School

Wall Street: Morgan Stanley, et al.

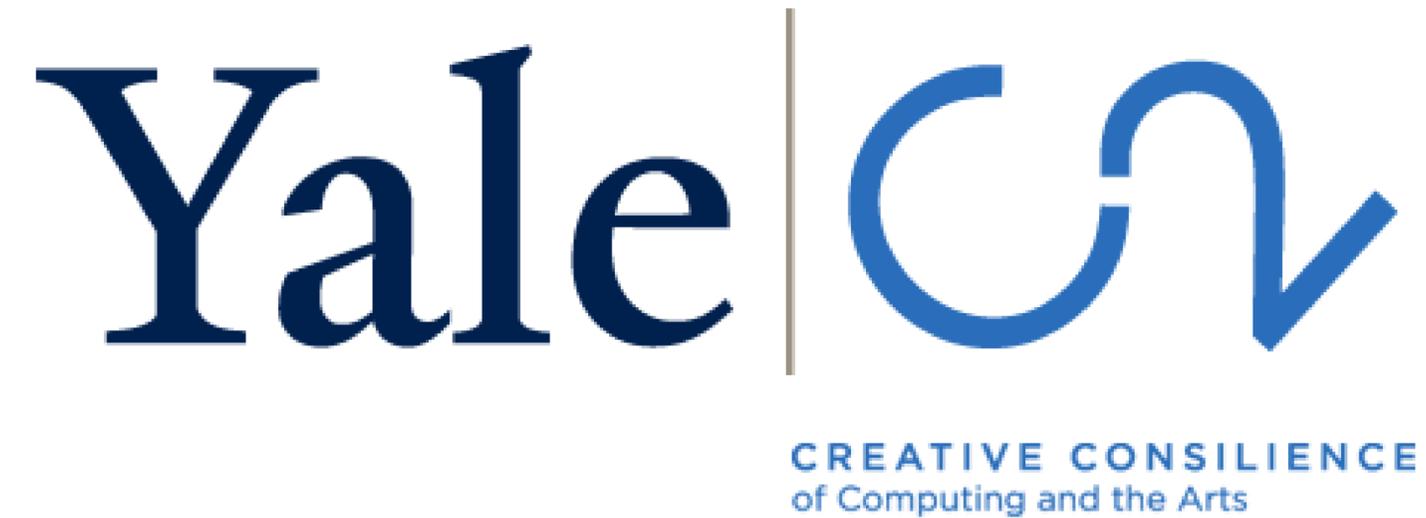
New: Automated Decision Systems

Questions?



# Computing & the Arts

Professor Holly Rushmeier

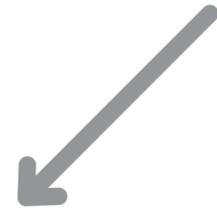


## What is Computing and the Arts?

An interdepartmental major designed for students interested in integrating work in computing and one of the arts disciplines. Computing and the Arts provides students with core Computer Science skills that allow them to explore interesting and substantive problems in art, art history, music, theater, or architecture.

# Computer Science Core Studies

6 courses, including  
CPSC 201, 202, and 223



## Art

6 courses  
from ART

## Art History

6 courses, 5 from  
HSAR and one  
studio art course

## Music

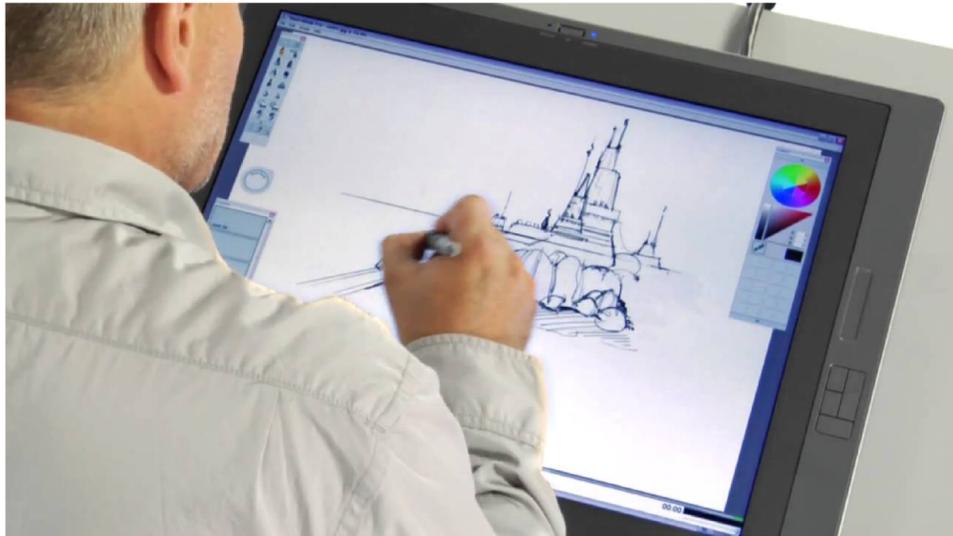
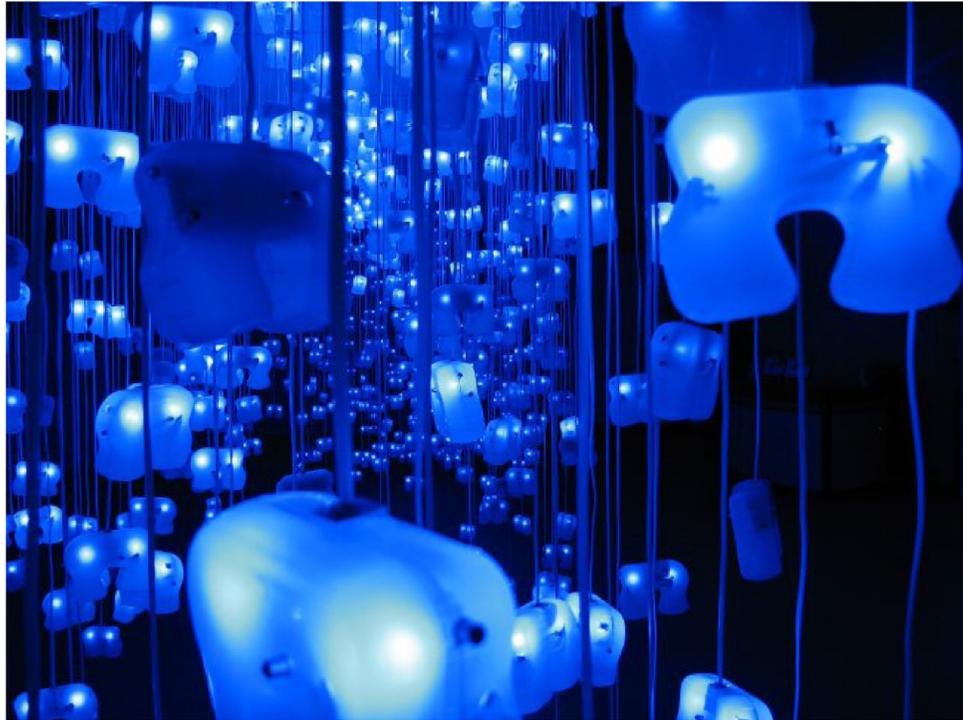
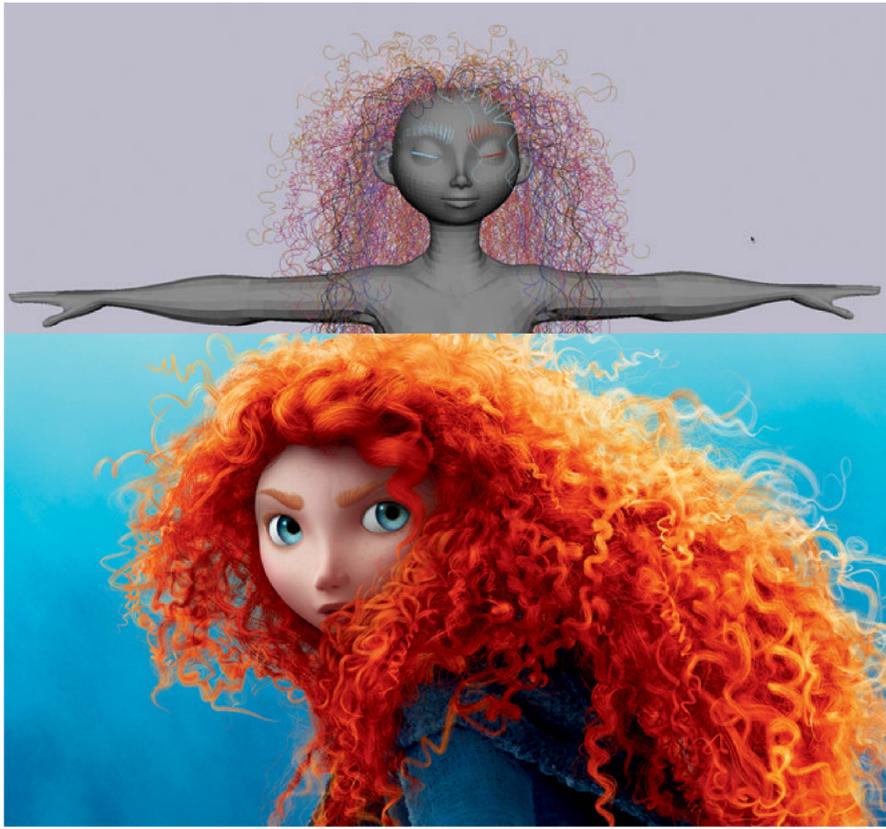
6 courses  
from MUSI

## Theater Studies

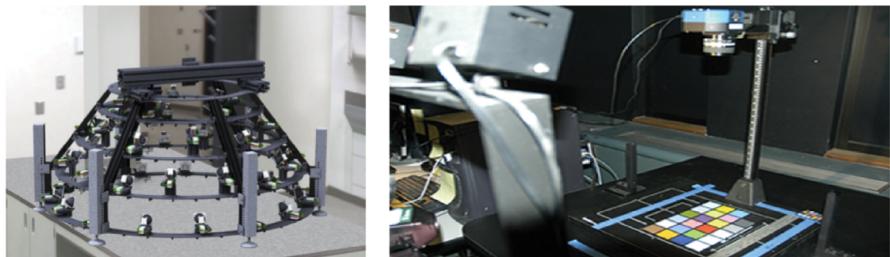
6 courses, 3  
from THST  
and 3 courses  
in dramatic  
literature or  
theater history

## Architecture

6 courses from  
ARCH



Art



Imaging



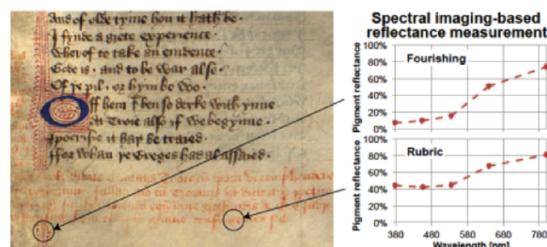
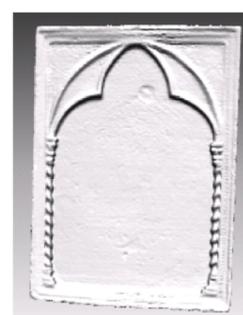
Conservation



3D Scanning



Humanities



Databases

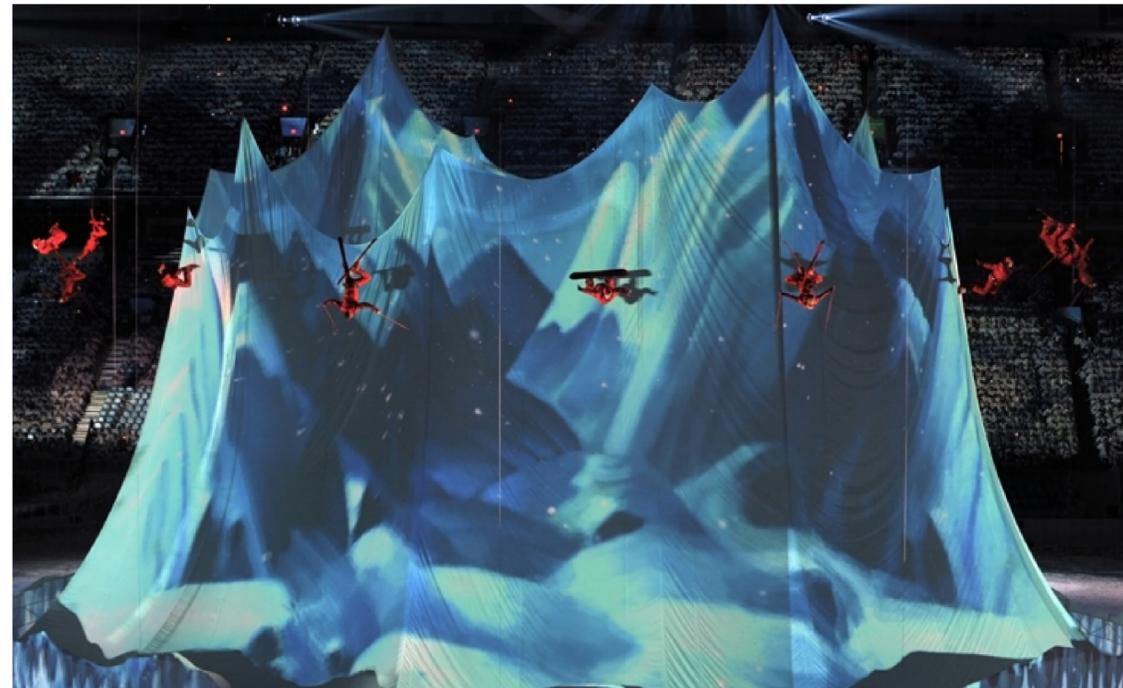
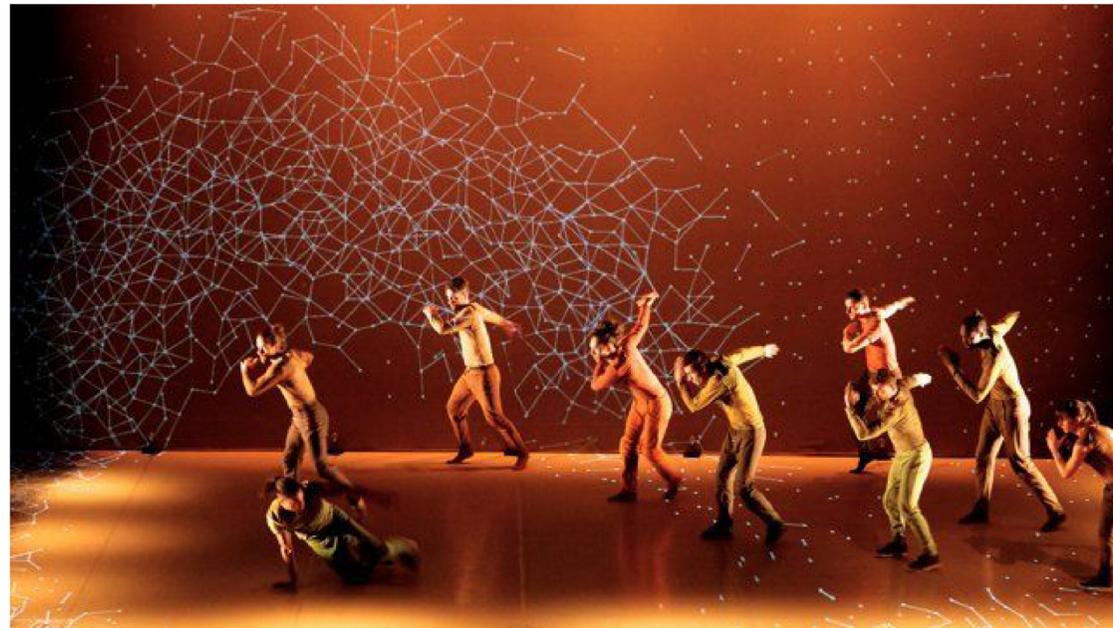
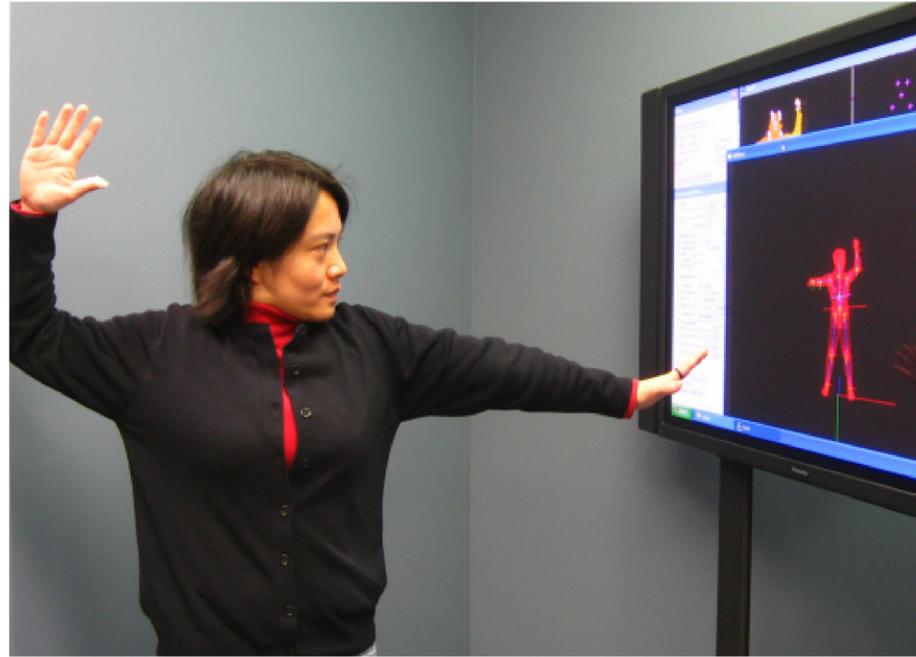


Communication

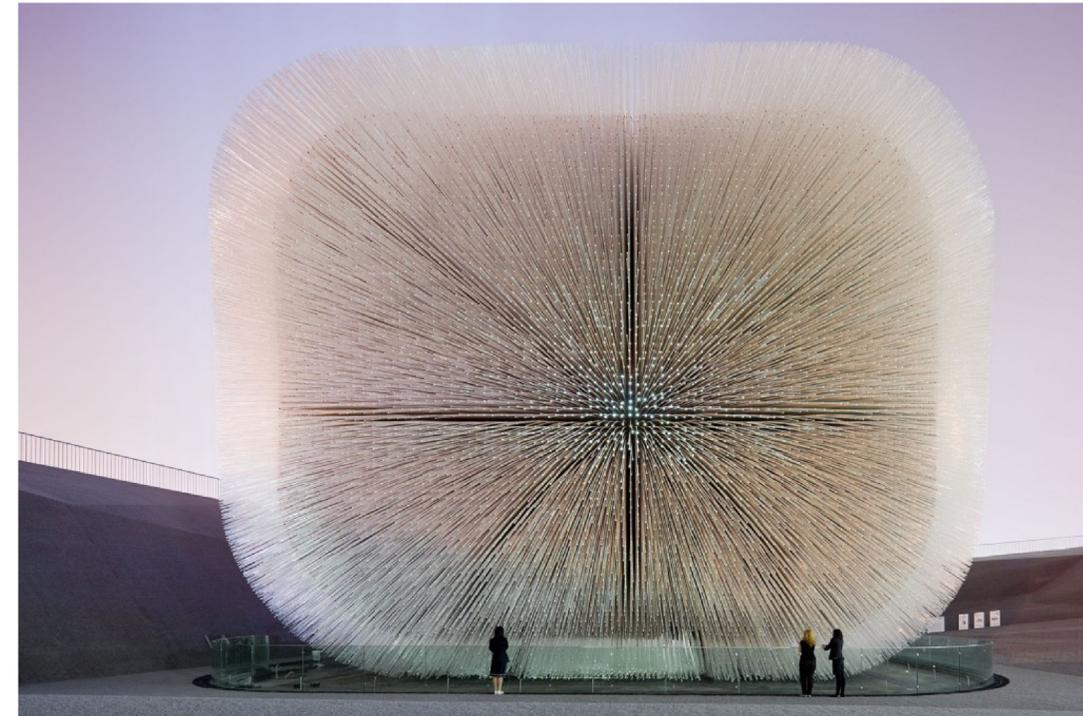
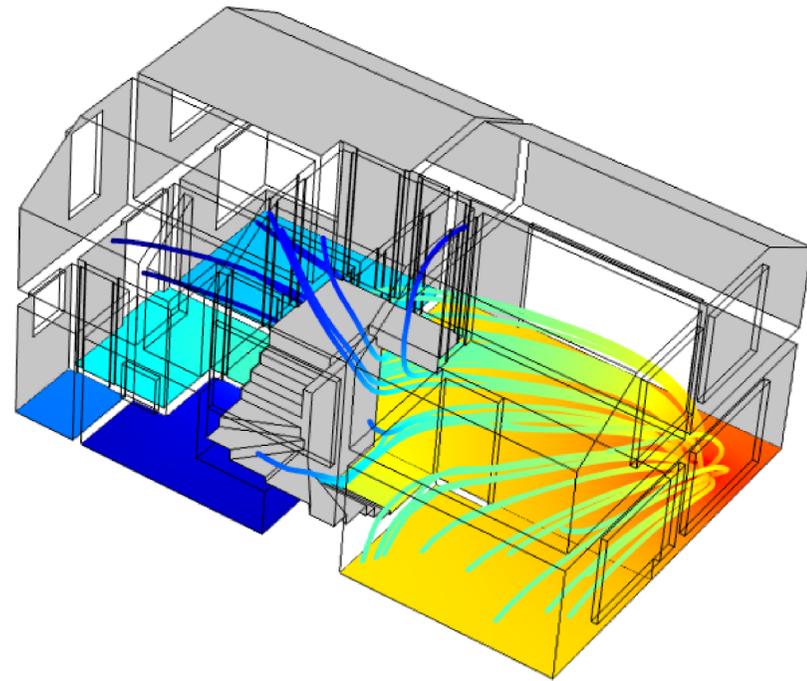
# Art History



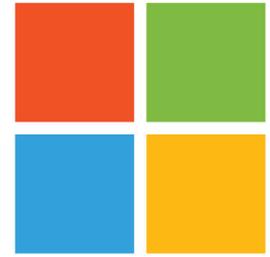
Music



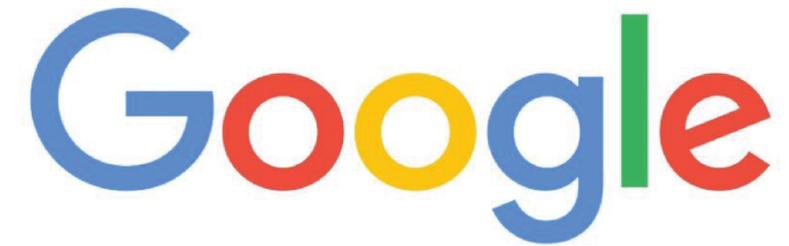
# Theater Studies



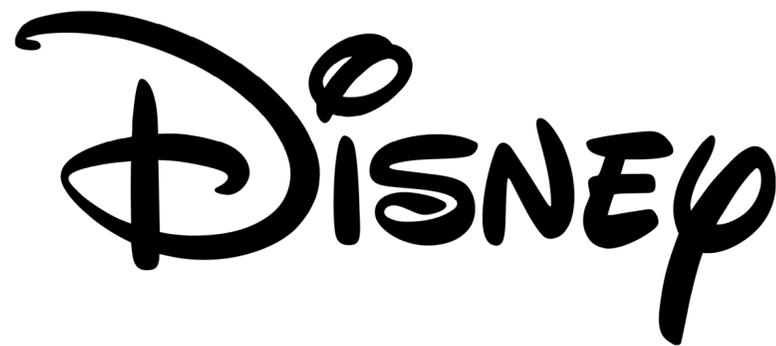
# Architecture



Microsoft



**COOPER  
HEWITT**



**Career Opportunities**

For more information about the  
Computing and the Arts Major, please contact  
DUS Julie Dorsey at [julie.dorsey@yale.edu](mailto:julie.dorsey@yale.edu)

# This is CS50

grab 1 handout and 1 blank sheet by doors!

This is CS50



what ultimately matters in this course is not so much where you end up relative to your classmates but where you, in **Week 12**, end up relative to yourself in **Week 0**

MARIO  
000700

● x01

WORLD  
1-1

TIME  
287



# CS50 Hackathon

Thu 12/3, 7pm – 7am









# CS50 Fair at Yale

Mon 12/14, 12pm – 3pm, Commons



[cs50.yale.edu/invite](https://cs50.yale.edu/invite)

eBay

ESPN

Facebook

Google

Palantir

YEI

YHack

...

Go Pro Hero 4

iPad Mini

Wii U

Xbox One

...







I took CS50

I took CS50

I took CS50.

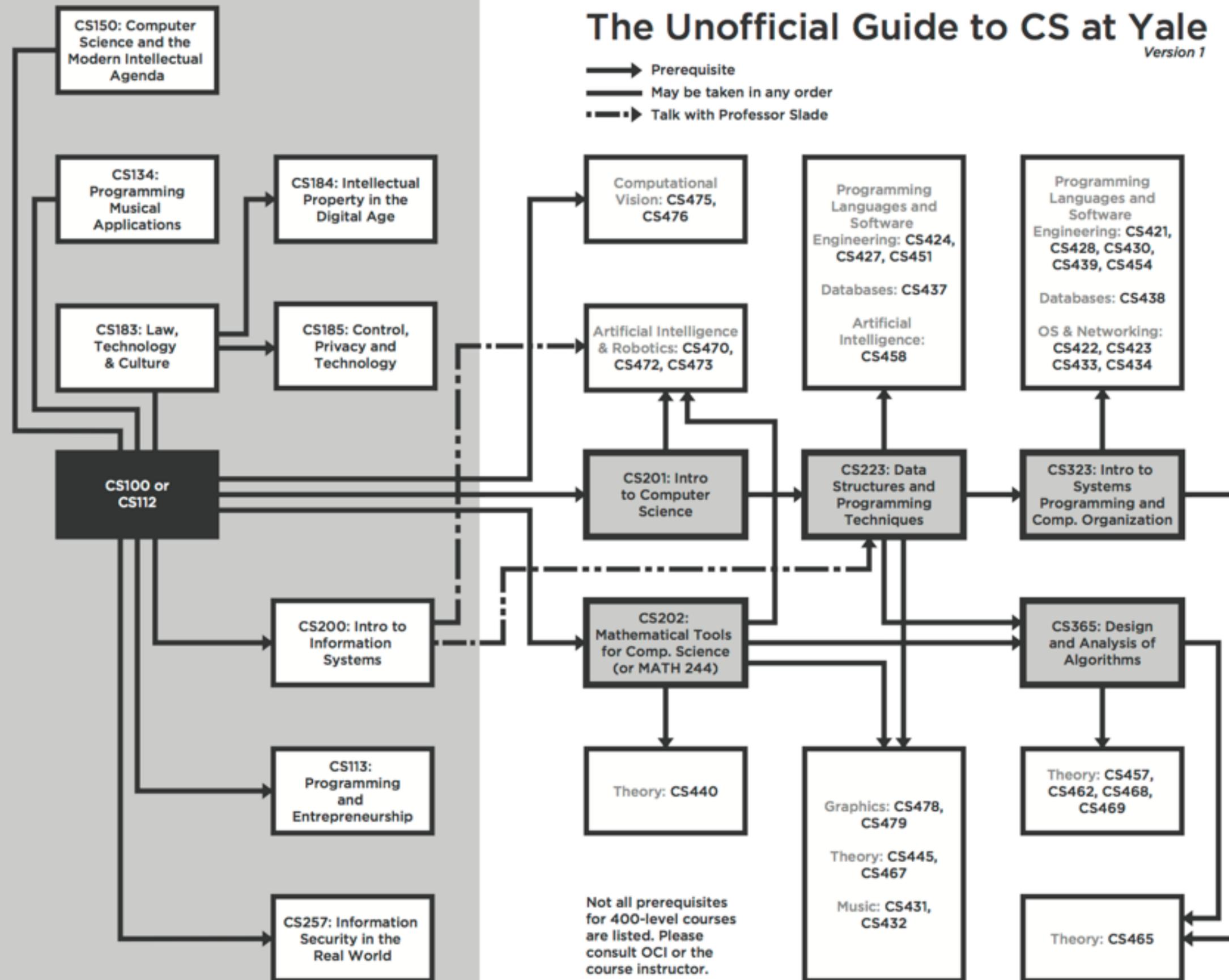
CS50.

[cs50.yale.edu/guide](https://cs50.yale.edu/guide)

# The Unofficial Guide to CS at Yale

Version 1

- Prerequisite
- May be taken in any order
- - - Talk with Professor Slade



# CS50 EXPO

---

FRIDAY, NOVEMBER 20TH

**3PM - 4:30PM**

STERLING MEMORIAL LIBRARY

---

Research projects, student groups,  
and startups from Yale and Harvard all  
related to engineering and science.  
Learn about how you can get involved!

---

CS50 AP

TA

CA

Composer

Designer

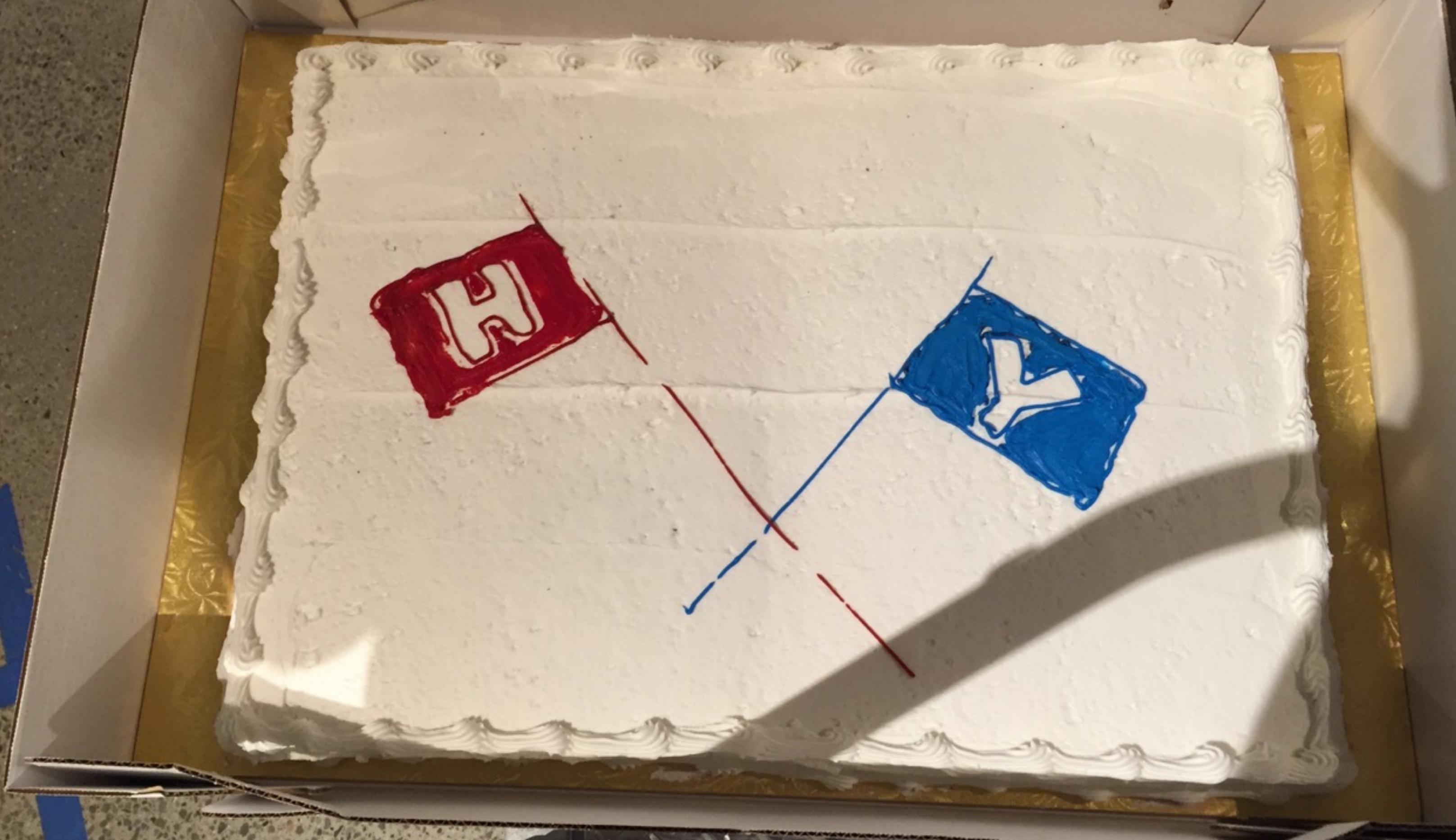
Photographer

Producer

Statistician

...

[cs50.yale.edu/apply](https://cs50.yale.edu/apply)





**Ethan Campbell-Taylor** with David J. Malan.

November 16 at 4:17pm

Overseen: Harvard CS50 professor David Malan coming to the dark side



You can't spell  
"Harvard is the  
worst university  
in the world"  
without "Harvard"





Abby Lyons Adam Cimpeanu Aleksandra Zakrzewska Alex Goldberg Alex Pong Alex Reinking Ali Monfre Alicia Vargas-Morawetz Aliess Kingsley Amelia Holcomb Andi Peng Andrew Malta Anita Xu Anna Whitney Annaleah Ernst Aparna Nathan Arianna Benson Arsalan Sufi Aubrey Wahl Brahm Gardner Brandon Tineo Brian Arroyo Brian Scassellati Camille Rekhson Carlos Mendizabal Charlie Proctor Charly Walther Chris Lim Claire Carroll Collin Styring Colton Ogden Connor Harris Dan Armendariz Dan Coffey Daven Farnham David Armenta David Hughes David J. Malan David McPeek Devansh Tandon Diego Torres Quintanilla Doug Lloyd Eli Block Emily Houlihan Eric Ouyang Eric Twark Evan Hellmuth Ezra Zigmond Filip Bujaroski Frank Wu George Zhang Glenn Holloway Hannah Blumberg Hannia Zia Haohang Xu Hari Anbarasu Henrique Vaz Hugh Zabriskie Ian Sexton India Patel Isaac Xia Jack Deschler Jacob Lurye Jacob Scherba Jason Brooks Jason Hirschhorn Jay Hou Jennifer Hsiao Jessica Lee Jessica Zhu Jon Kim Jordan Canedy Jordan Hayashi Juan Bedoya Juliette Grantham Karl Otness Kevin Dong Kevin Zhang Khalid Tawil Kyle Kwong Larry Guo Larry Zhang Lauren Scully Lee Danilek Leila Hofer Lien Tran Limor Gultchin Linda Song Marcus Powers Maria Zlatkova Marinda Horan Mark Grozen-Smith Mary Farner Matt Beatty Megan Valentine Michael Ge Michael Menz Michael Patterson Minh Tri Pham Mirhee Kim MJ Richardson Neel Mehta Nicholas Larus-Stone Nick Joseph Nicole Fish Patrick Pan Peter Chang Peter Jin Pulak Goyal Ramon Galvan Rob Bowden Robbie Gibson Robert Krabek Ross Rheingans-Yoo Ryan Kerr Sahil Gupta Sam Cheng Sam Levatic Samuel Green Sarah Strohkorb Shafeeq Ibraheem Shane Campayne Shreyas Tirumala Stelios Rousoglou Stephen Krewson Summer Wu Sylvan Zheng Ted Tuckman Thomas Lively Tim Tamm Travis Yeh Victor Domene Walter Martin Wilder Wohns Winnie Wu Winston Boucher Zack Chauvin Zamyra Chan



## THE BIG BOARD

	<b>Contestant</b>		<b>RAM</b>	<b>load()</b>	<b>check()</b>	<b>size()</b>	<b>unload()</b>	<b>TOTAL</b>
1	Alexander Reinking	<b>staff</b>	2.095	0.130	3.300	0.000	0.000	3.430
2	Andrew Cheng Jin		1.853	0.160	3.340	0.000	0.000	3.500
3	<a href="#">Rob Bowden</a>	<b>staff</b>	1.344	0.130	3.440	0.000	0.000	3.570
4	Raphael Rouvinov		4.003	0.270	3.350	0.000	0.000	3.620
5	Sachith Gullapalli		7.502	0.120	3.660	0.000	0.000	3.780
6	Thomas Richard Lively	<b>staff</b>	1.041	0.390	3.450	0.000	0.000	3.840
7	Francisco Trujillo		1.126	0.520	3.410	0.000	0.000	3.930
8	Larry Zhang	<b>staff</b>	2.094	0.390	3.550	0.000	0.000	3.940
9	Alex Joseph Pong	<b>staff</b>	6.869	0.390	3.550	0.000	0.000	3.940
10	Brian Paul Yu		3.094	0.390	3.610	0.000	0.000	4.000



This is CS50









EPSON











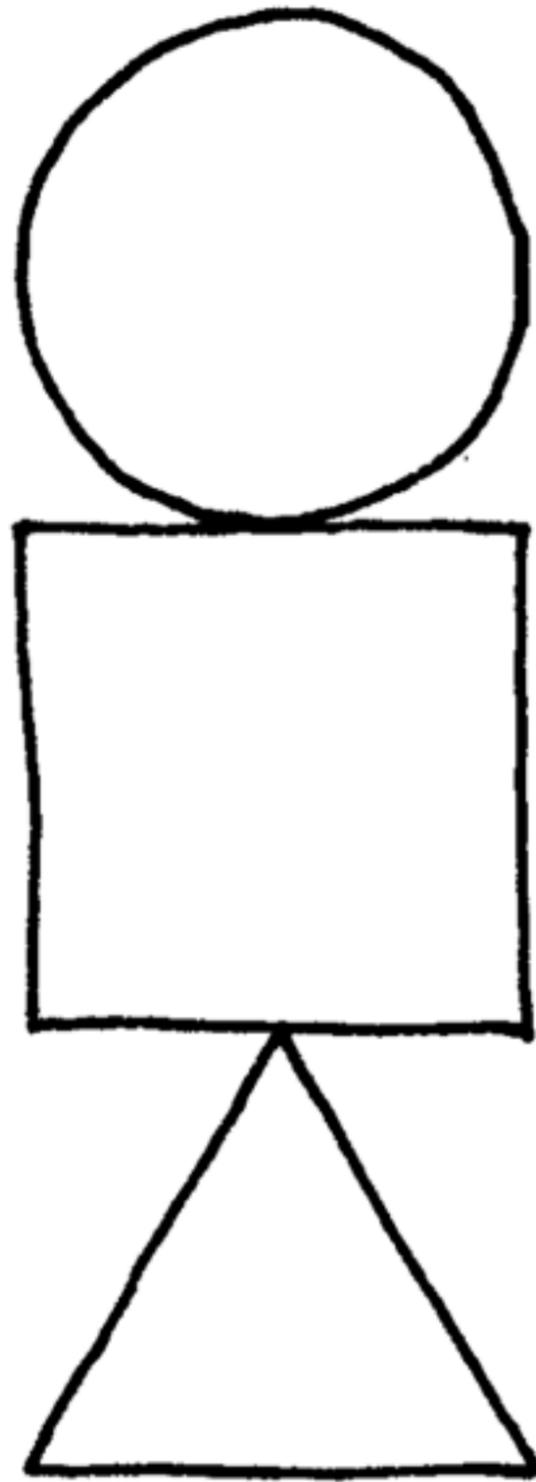




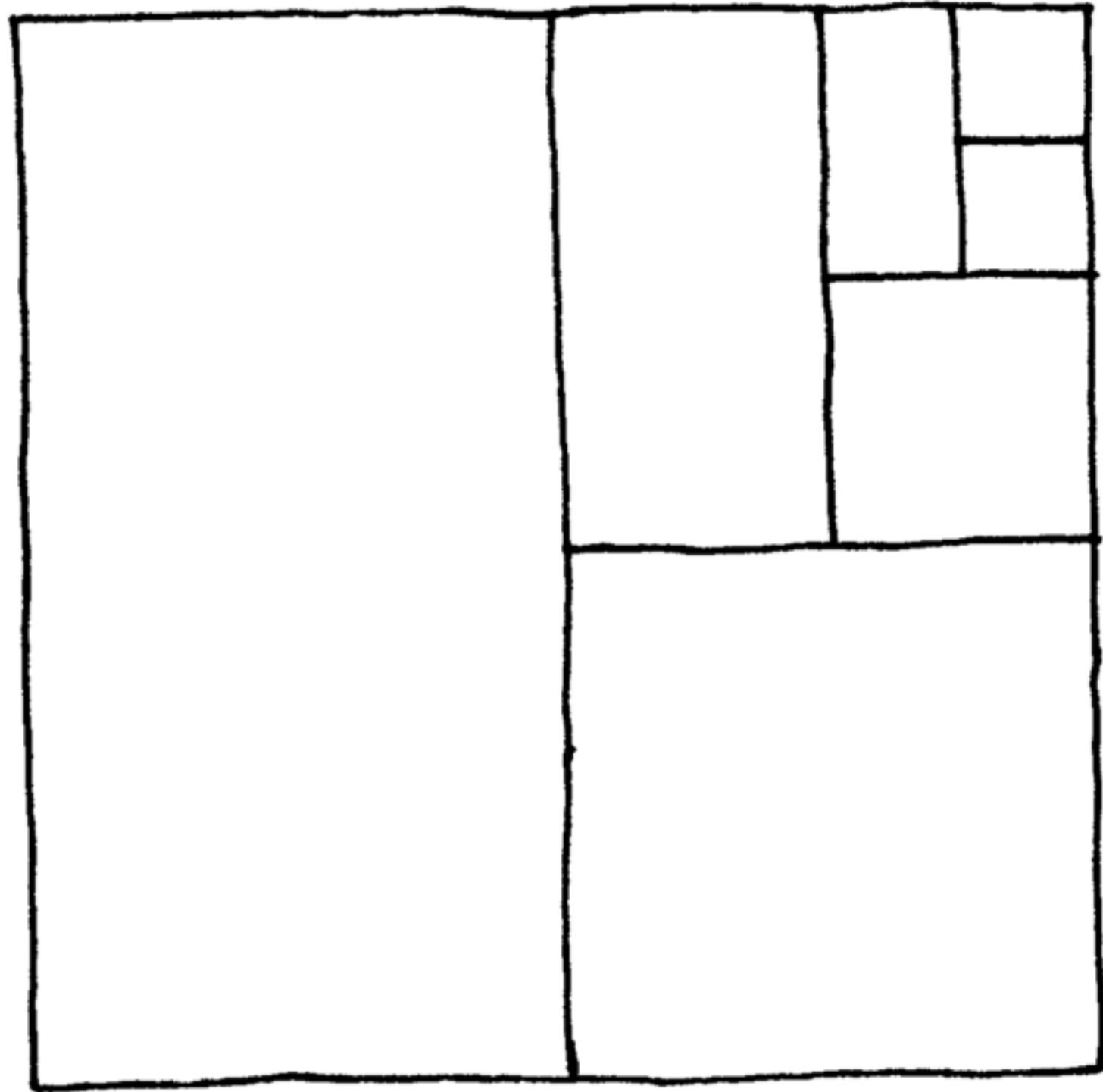




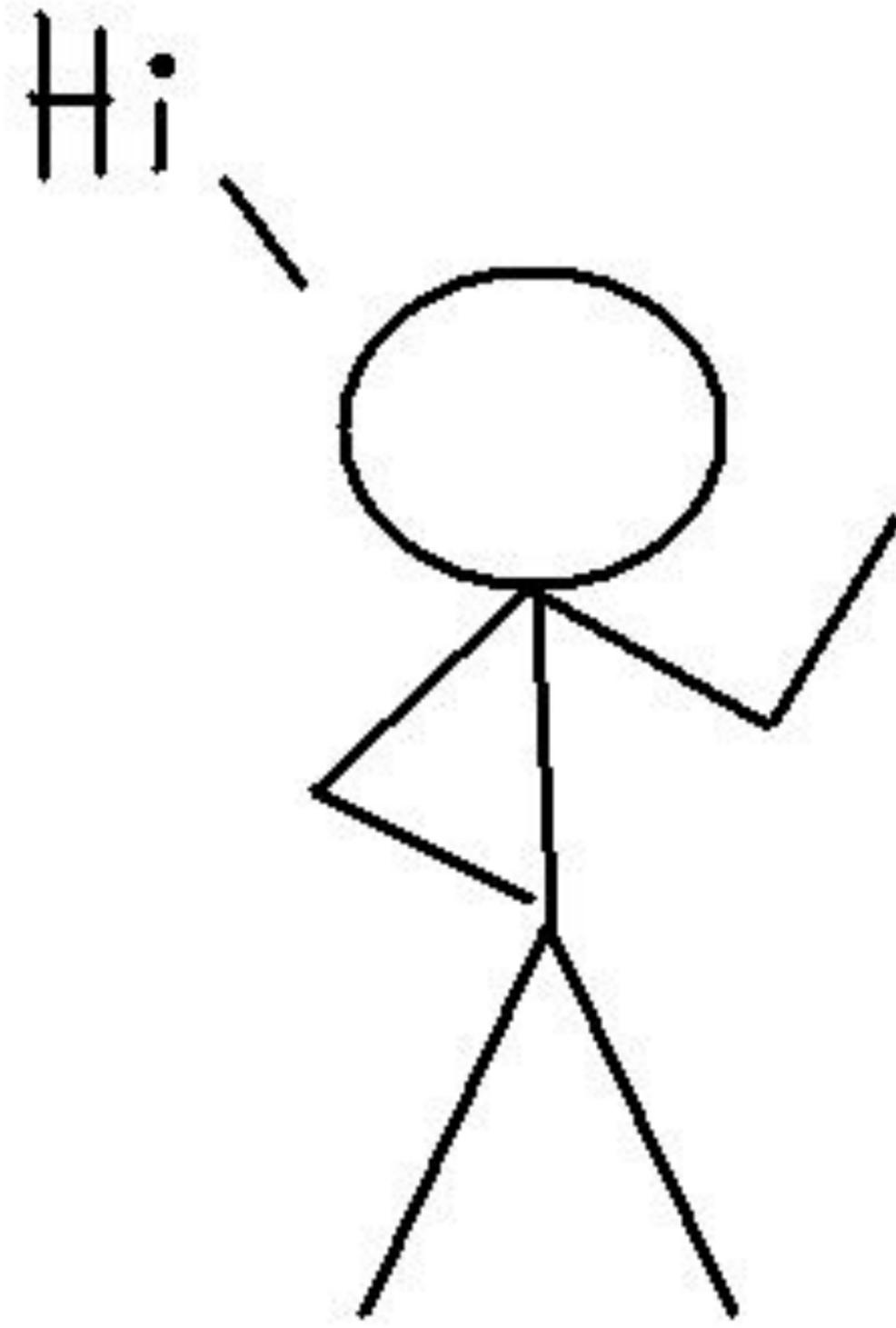




















FAMILY

FEUD

