

Introduction















Ahmit Me

#### Bachelor of Computer Science (2002-2007) Masters of Computer Science (2007-2009) PhD Computer Science (2009-now) Faculty Instructor (2013-now)



What About YOU?

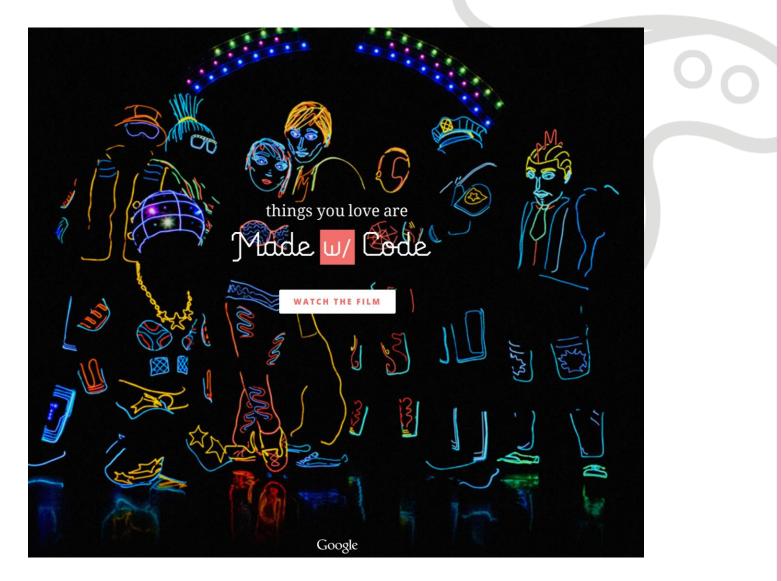
Let's get to know each other.

What school are you from? What made you sign up for this course? What activities do you do outside of class? What kinds of games (board, card, video...) do you play or watch others play? What is something interesting about you we can't tell by looking at you?



### Computer Science and Games: Just For Girls!

Looking at computer science



www.madewithcode.com/



The big fancy definition:

Computer science (or computing science) is the study of the theoretical foundations of information and computation and their implementation and application in computer systems.

http://en.wikpedia.org/wiki/Computer\_science

## What is Computer Science?

It's all about finding ways to figure stuff out. What can be computed automatically? How hard is it to compute? What cool applications are there? (Like games!) What's the best way to set up a computer so it can do all this stuff fast? We are limited only by our imagination...



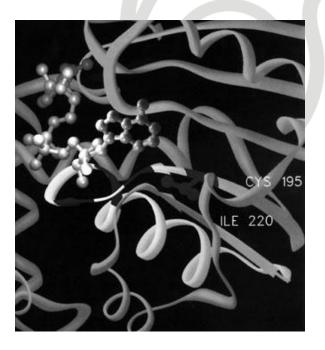


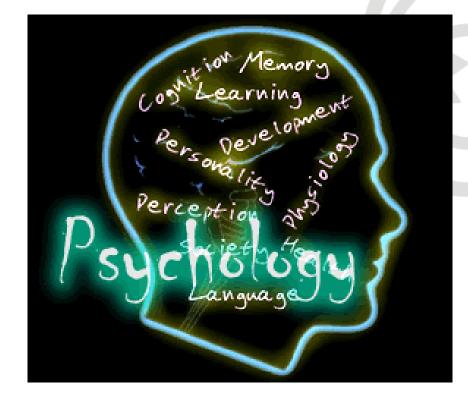
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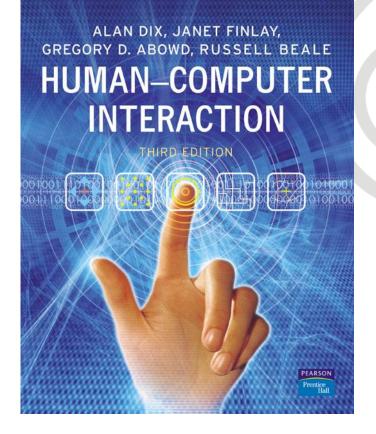








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http://hornbillunleashed.files.wordpress.com/2009/10/law.jpg







# ... pretty much anything you want it to!



#### Video from University of Washington Computer Science and Engineering

http://www.youtube.com/watch?v=jq\_EcstLlfE



## Computer Science and Games: Just For Girls!

What's the connection to games?

What's the connection?

# Computer Science Research

What's the connection?

# Trying to make games better

## What's the connection?

## Learning about computer science using games as an example application

## Learning about computer science is more fun!



#### www.code.org

Credits

#### Notes by your instructor Gail Carmichael: <u>contact@gailcarmichael.com</u> <u>http://gailcarmichael.com/</u>