COMP 141

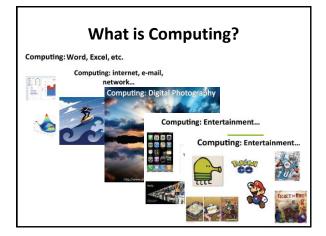
CS1: Programming Fundamentals
August 23, 2017

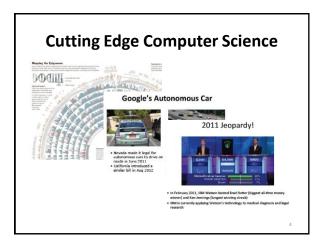


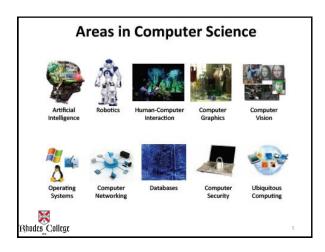
What is Computer Science?

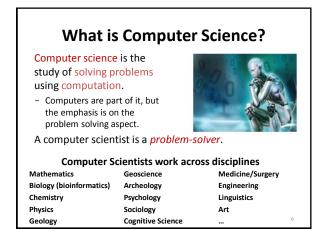
What do you hope to learn in this class?

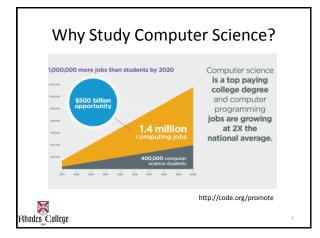


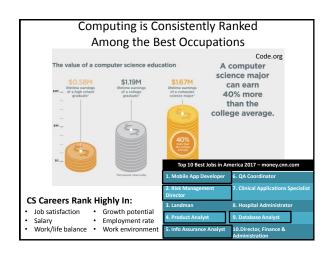












Why Study CS at Rhodes?

"Everyone should learn how to program a computer, because it teaches you how to think. I view computer science as a liberal art, something everyone should learn to do." -Steve Jobs

- Liberal arts background is great!
- Employers want to see:
 - Communication skills (written & verbal)
 - Strong work ethic
 - Teamwork skills (works well with others)
 - Initiative
 - Interpersonal skills (relates well to others)
 - Problem-solving skills



Things to Remember

- 1. Computers are dumb!
- 2. Computers only do what you tell them to do.
- 3. Computer do what you tell them to do really fast, so they appear smart (but they are not).
- 4. Computer don't remember anything unless you tell them how to remember.
- 5. Computers take your instructions literally. If you tell them to do something dumb, they do it.
- 6. A computer only does what it is told and in exactly the order you tell it.



11

Syllabus

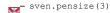
 http://cs.rhodes.edu/welshc/COMP141 F17/s vllabus.pdf





Fun Activity

- Go to Start -> All Programs -> Python 3.5.
- Open IDLE (Python 3.5 32-bit)
- Type the following (use the exact capitalization as shown):
 - >>> import turtle
 - >>> turtle
 - >>> sven = turtle.Turtle()
 - >>> sven.forward(100)
 - >>> sven.right(90)
 - >>> sven.forward(50)
- Try other commands
 - forward, backward, right, left
 - sven.color('blue')



Rhodes College

13

Homework 0

- Tell me about yourself.
 - Fill out the "Getting to Know You" worksheet
- Make sure you have this class in your course list on Moodle.
- Due Friday, 8/25 at beginning of class



14