

CompSci 94

Introduction to Programming Animation and Virtual Worlds

August 26, 2021



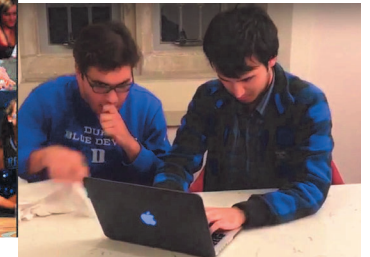
Prof. Susan Rodger

Review : How CompSci 94 Works

- BEFORE CLASS
 - Watch Alice videos – 30-60 minutes
 - Build Alice project as you watch
 - Take Quiz on Sakai – (turns off when class starts)
- IN CLASS
 - Review Content from Videos
 - Classwork: Write an Alice program
 - Get Classwork checked off
- AFTER CLASS
 - Complete work not finished in class – checkoff next class
 - Assignments

Practice, Practice, Practice

Practice, Practice, Practice

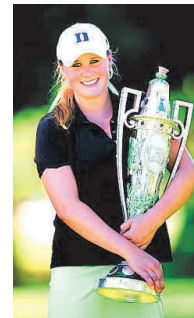


Practice results in Success

Practice results in Success



Blue Devils Net Pair of Friday Wins at ITA Regional

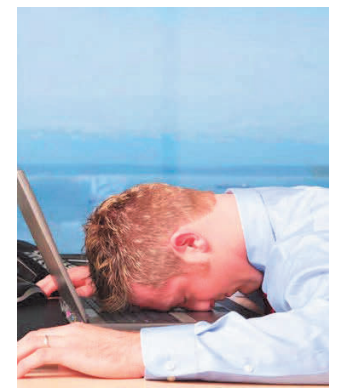


Don't get behind!!!

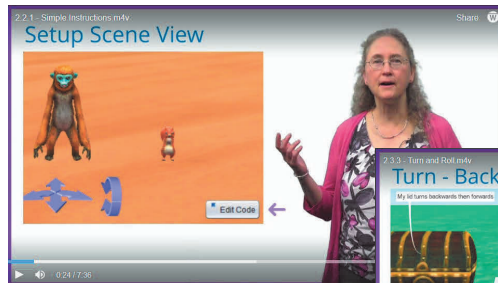
- Difficult to catch up...

Don't get behind!!!

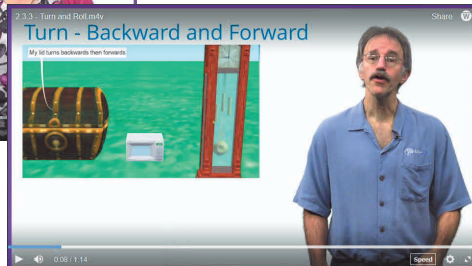
- Difficult to catch up...



Videos/Quizzes Don't get behind!



Susan Rodger
Duke University



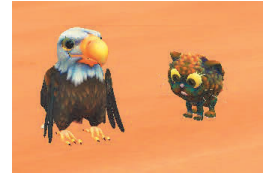
Steve Cooper
Univ. Nebraska, Lincoln

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Video Review

- Where do you find objects in Alice?



- How do you add objects to the scene?

- In which class do you find people?

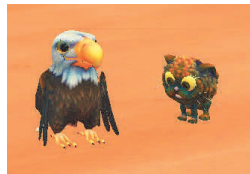
- In which class do you find eagle?

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Video Review

- Where do you find objects in Alice?
 - Go to scene setup
 - Search through class folders
- How do you add objects to the scene?
 - Drag objects in or double click on them
 - People builder
 - Make person – toddler to elder
- In which class do you find people?
 - Biped folder
- In which class do you find eagle?
 - Flyer folder



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Video Review

- How do I move/turn the panda with a mouse?



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Video Review

- How do I move/turn the panda with a mouse?
 - Click and drag
 - Move left/right and forward/backward
 - Hold shift key down and drag
 - Move up/down
 - Hold control/CTRL key down and drag
 - Turning

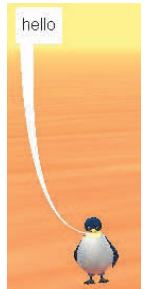


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Video Review

- Instructions – what additional info goes with them?
 - Move
 - Turn
 - Say



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Video Review

- Instructions – what additional info goes with them?
 - Move
 - Direction, how far
 - Turn
 - Direction, how much of a rotation (e.g, 0.25)
 - Say
 - TextString phrase



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Video Review

- What is a one-shot?
- Give an example for how a one-shot might be useful.



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Video Review

- What is a one-shot?
 - In setup scene, execute an instruction and it happens instantly
- Give an example for how a one-shot might be useful.
 - In setup know how far an object is from another object
 - In setup place object then move off screen with one-shot, so you know how far to bring it in



Video Review – what data types?

DATA

TYPE

- 5.8
- “CompSci 94”
- right
- 6
-



Video Review – what data types?

DATA

TYPE

- 5.8
 - “CompSci 94”
 - right
 - 6
 -
- Decimal number
 - TextString
 - Direction
 - Whole number
 - Object



Announcements

- Assignment 1 due Thursday, Sept 2
- Do at least five levels of exercise, submit a picture of how far you got
 - Submit in Saki under Assignments
 - Fill out reflect form for each assignment
- Watch videos and take QZ2 for Tuesday
- Classwork today
 - Check off when finished, or check off next time

Class Today

- Build project with panda on the moon

