## Scratch It Up

Enrique Guzman
Program Coordinator, UC Santa Barbara

# Some may think: The tech industry is desperately trying to hire computer programmers in California

The tech every industry is desperately trying to hire computer programmers in California everywhere

## Some may think: Computer science is just about learning technology

Computer science is just about learning technology Computer science is about logic, problem solving, and creativity

### Objective

Design and create an interactive video game using Scratch within the designated time limit.



#### Overview

- Pairs create a game within 60 minutes
- Labbooks may be used the day of event
- Ask Center host if teams need to provide own devices
- Limits may apply due to facilities



## Why?

- Prepare students for CS and technical Careers
  - Technical interviews
  - Hackathons

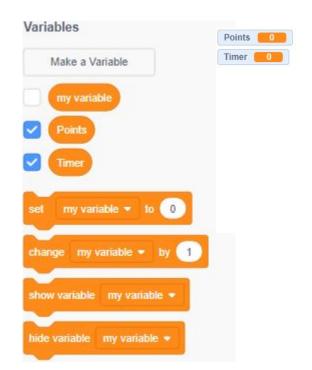


#### Goals

- Implementation of CS Concepts
  - Code blocks not graded
- Design before creation
- Work within time constraints



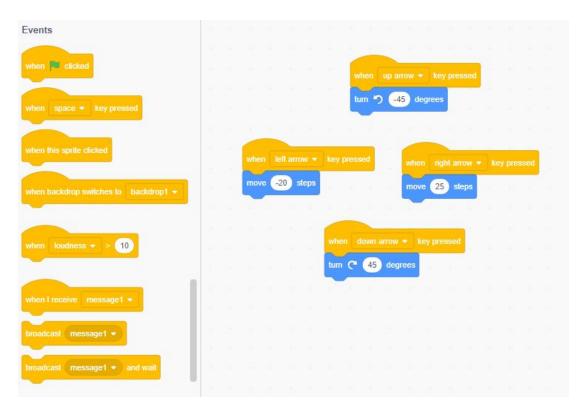
### Points System – the game must have a point system







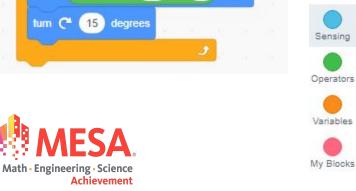
#### A User Controlled Character

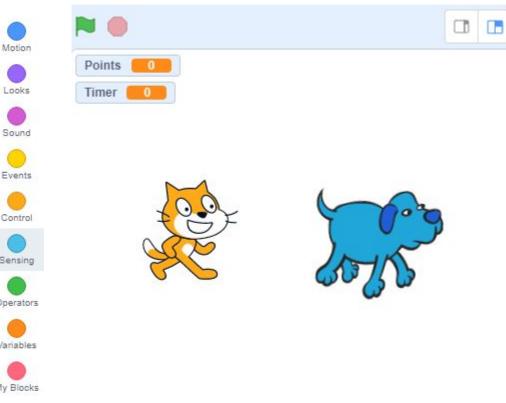




## non-Player Controlled (NPC) Character

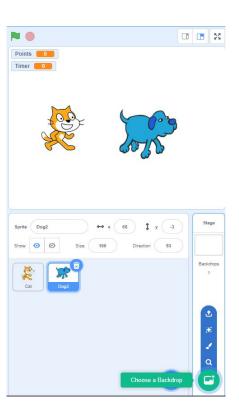




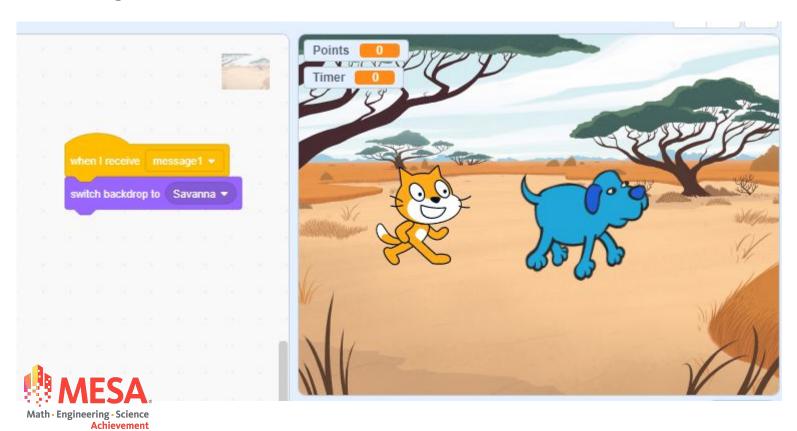


## Background

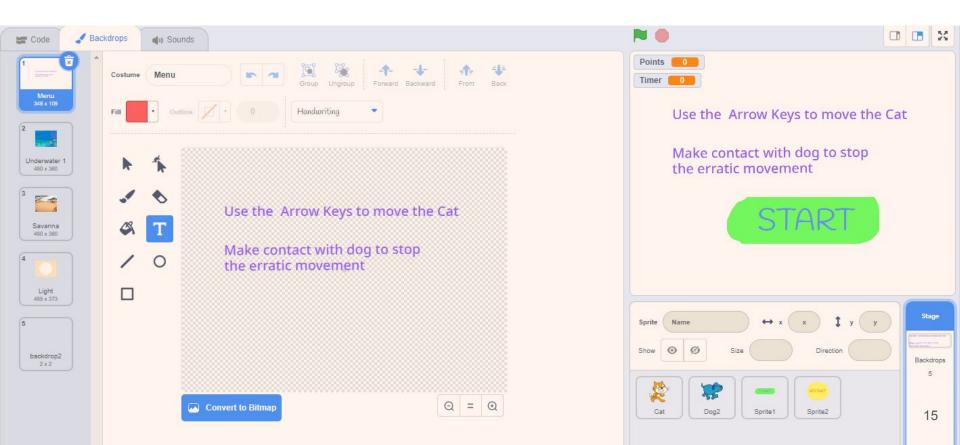




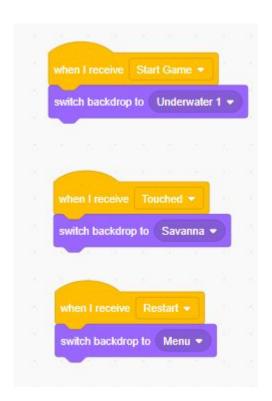
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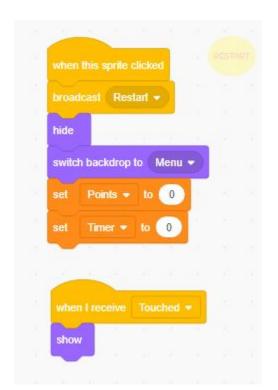


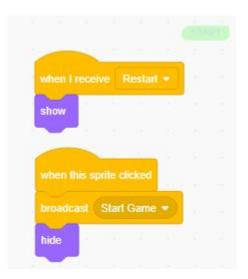
#### Instructions Start Menu and Restart



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#### Resources

- Google Game Design
  - https://csfirst.withgoogle.com/c/cs-first/en/game-design/materials.html
- Scratch Wiki
  - https://en.scratch-wiki.info/wiki/Scratch Wiki
- Sample from presentation
  - https://drive.google.com/file/d/1A9cpyGgas1HfaTp0bTq0wAnpuljFzBPZ/view?usp=sharing