

Shigeru Miyamoto

- The "Walt Disney" of video games
 - Nintendo
 - 1st elected to Hall of Fame
- Designed (among others):
 - Donkey Kong
 - Super Mario Bros
 - The Legend of Zelda
 - Super Mario 64
 - Nintendo DS, Wii



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Design of a Casual Video Game

- Staff requirements
 - Can be done by one person, like days of old
 - Bigger teams also (< 10)
 - Lots of new developers
- Phones great platforms
 - iPhone dominates field
 - Students are signing up!
- Time to completion
 - Often only a few months!

www.apple.com/iphone/apps-for-everything/fun-and-games.html blog.entertonement.com/2009/07/7-addicting-casual-games
en.wikipedia.org/wiki/Casual_game
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Design of a Core Video Game

- Staff requirements
 - Cross-disciplinary
 - Producer, programmers, game, graphic & sound designers, musicians, testers, ...
 - 100+ person teams
- Similar to film
 - Often, games->film, and film->games
 - Lucasfilm, etc. want to tie assets together

en.wikipedia.org/wiki/Video games UC Berkeley CS10 "The Beauty and Joy of Computing" : Video Go



SSASSINS

www.theesa.com/facts/gameplayer.asp % of Parents: "Video games are a positive part of my child's life" entertainment software a) 22% association b) 32% 42% d) 52% e) 62% @080

How: 3D Computer Graphics

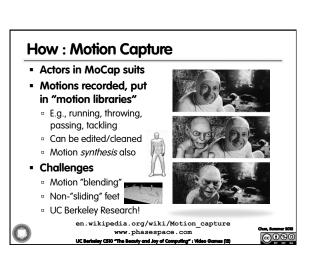
- Similar to making a 3D animated film...
 - Model characters, environment in 3D
 - Add shading + lights + effects + behavior
 - Let 3D rendering engine (on graphics card) do the work of figuring out 2D scene from 3D
- Limitations
 - Many things are too "expensive" to do in

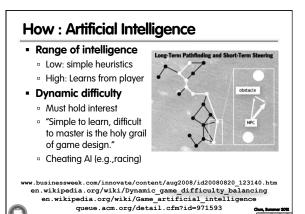


.nytimes.com/2009/07/08/arts/television/08fight.html en.wikipedia.org/wiki/Portal:Computer_graphics www.siggraph.org @080

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