FUTURE OF VIDEO GAMES?
Analysts close to both Microsoft and Sony are predicting no new home console until 2014. “Will anyone care? How do you make a $60 game look like a good value when everyone is used to buying $1 games on their phones and tablets?”

With $1 casual games abounding, how has your likelihood to buy $60 video games changed?

a) Way less likely
b) Less likely
c) Neutral
d) More likely
e) Way more likely

Clickers were worth the time spent

a) Strongly Agree
b) Moderately agree
c) Neutral
d) Moderately disagree
e) Strongly disagree

Exciting Future Implications

Need to revisit chronic unsolved problem
- Parallel programming!

Implications for applications:
- Computing power available >>> (choose your favorite supercomputer from a decade ago) on an economical die inside your watch, cell phone or PDA
- On your body health monitoring
- Google + library of congress on your PDA

As devices continue to shrink…
- The need for great HCI (human-computer interfaces) is as critical as ever
Taking advantage of Cal Opportunities

"The Godfather answers all of life's questions" - Heard in "You've got mail!"

- Why were we the #2 Univ in the WORLD?
  - Research, research, research!
  - Whether you want to go to grad school or industry, you need someone to vouch for you!
  - ... as is the case with the Mob

- Techniques
  - Find out what you like, do lots of web research (read published papers), hit OH of Prof, show enthusiasm & initiative
  - http://research.berkeley.edu/

Opportunities Fall 2011

- CS61A (1st course in CS major)
  - Structure and Interpretation of Computer Programs
- CS9 series (learn a second language)
  - I would recommend Python next, CS9H
- GamesCrafters (Game Theory R & D)
  - Develop SW, analysis on 2-person games of no chance. (e.g., go, chess, connect-4, nim, etc.)
  - Req: Game Theory / SW Interest
- MS-DOS X (Mac Student Developers)
  - Learn to program Macintoshes.
  - Req: Interest. Owning a mac helps, not required.
  - Taught as a Decal by MS-DOS X veterans
- UCBUGG (Recreational Graphics)
  - Develop computer-generated images, animations.
  - Req: 3D interest
  - Taught as a Decal by UCBUGG veterans

Review: 5 components of any Computer

In the future, what'll be the most important computer component?

![Diagram of computer components](image)

- Control
- Datapath
- Memory
- Input
- Output

Peer Instruction Opinion

"Forget cloning. Forget TVs on your wrist watch. The biggest invention of the next 100 years will be the ability to directly connect your brain to a machine, aka wet computing." - Dan Garcia

- A macaque monkey at Duke University can already control a robotic arm with thought.
- DARPA interested for mind-control robots & flying
- Virtual Reality achieved with proper I/O interfacing...

Jose Carmena. UCB EECS Prof
Research: Brain-Machine Interface
www.eecs.berkeley.edu/~carmena/

The Future for Future Cal Alumni

- What's The Future?
- New Millennium
  - Ubiquitous & Quantum Computing, Nanotechnology, 10 M "volunteer" CPUs, the Parallel revolution...
  - Rapid Changes in Technology
  - World's Best Education
  - Never Give Up!

"The best way to predict the future is to invent it" - Alan Kay

The Future is up to you!

Penultimate slide: Thanks to the staff!

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