

HCI, Robots, Online Education

- Human Computer Interfaces/Interaction
- Robots everywhere?
- Is Education the next “industry” to be disrupted by the web?

Designing Good Interfaces is Hard

- How do you turn off a Windows computer?

When the next slide appears immediately shout out the color you see. Ignore any words on the screen.

BLUE

GREEN

RED

PURPLE

YELLOW

PURPLE

GREEN

BLUE

The problem is sending mixed signals.

What are some other examples of difficult to use computer interfaces?

Multi-touch



From Scroll to Book



When you're used to paper rolls it takes some time to convert to turn the pages of a - beek.

When Jeff Han (multi-touch guy) said the interface should just “disappear” he was referring to what?

- A. A menu bar that auto-hides.
- B. A keyboard that appears just when you need it.
- C. An interface where the user doesn't think about the interface and the computer just does what the user expects.
- D. All of the A-C.
- E. None of A-C.

Robots

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When operating in a group, the robots

- A. are being *autonomous* because they each follow their own program and are not controlled by a human.
- B. are demonstrating a *distributed* algorithm because they each operate based on local sensor information rather than a central leader.
- C. Both A and B.
- D. Neither A nor B.