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.

GREEN

PURPLE

YELLOW

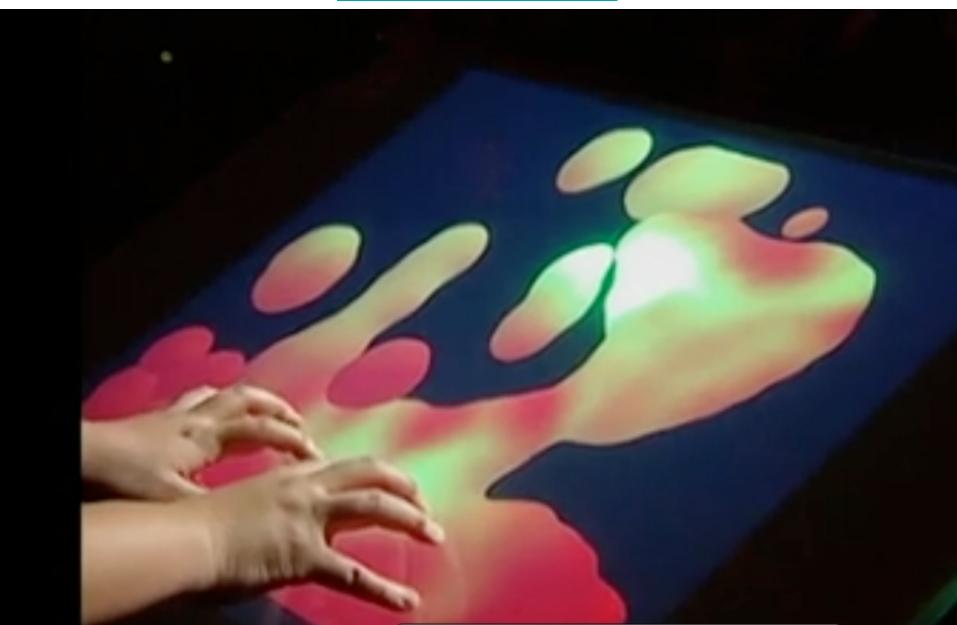
PURPLE

GREEN

The problem is sending mixed signals.

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

Multi-touch



From Scroll to Book



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



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.