Sketches: recognition, matching and retrieval

Yi-Zhe Song
Sketches: recognition, matching and retrieval
Why sketches?

We are living in the era of touchscreens!

Touch screen?

Where is the mouse?
What can we do with *sketches*?

- Something **fun** – try demo!

- Draw Something© **++**
  - similar to Draw Something©
    (100 Million downloads by Feb 2013)
  - we train **computers** to **automatically guess** what you sketched
  - our computer guesses **better than human!**
What can we do with sketches?

- Something serious
  - forensic sketches
What can we do with **sketches**?

- **Something serious**
  - forensic sketches

Ours: 59%

Police: 23%
What can we do with **sketches**?

- **Something for online shopping**
- **Find “that” pair of shoes**
  - Ask Google!
    - hard to describe in text
  - Sketch It!
    - a sketch speaks for a “hundred” words!

“high heel shoes with open toe-cap, white dots all over and one knot on top”