

## Outline

CS376 Computer Vision

Wednesday, April 6, 2011

### Instance recognition

- Spatial verification strategies
  - Generalized Hough
  - Tradeoffs with RANSAC
- More text retrieval influence
  - Tf-idf weighting
  - Query expansion
- Instance recognition in the sky

### Generic category recognition

Introduction to the problem: applications, challenges, state-of-the-art

Basic pipeline of category recognition techniques

Supervised classification

- Definition
- Example with skin color detection
- Generative vs discriminative