

Today's agenda

- What is CIS?
- Course mechanics
- Computing in society

Lunch and extra time to activate NetID, get textbook and other supplies, register (for international students), etc.

College admissions workshop

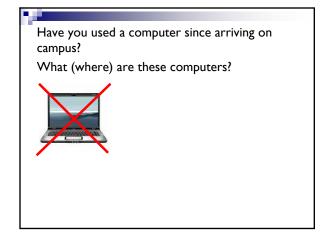
Computing is the study of natural and artificial information processes

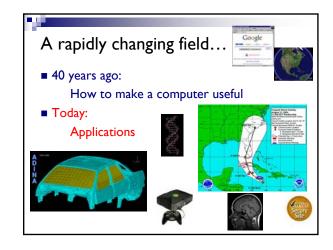
- Information data ...
- Information process the discovery (generation), storage, retrieval, and transmission of information
- Artificial human built; simplified representation of a complex (natural) system or item
- Natural biology; natural language

Common sense conceptions of "information"

- Knowledge derived from study, experience, or instruction
- Be something or be about something, (a message, a substance, a concept)
- Be true: a falsehood is mis-information, not information itself
- Can be documented and later accessed

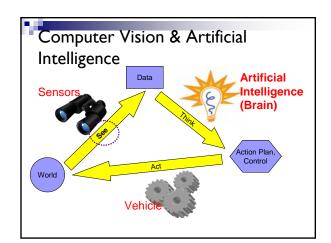
H. Rosenbaum, Indiana University

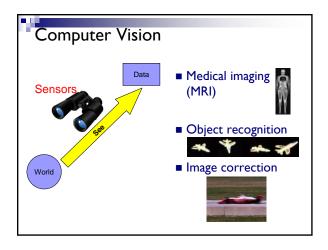


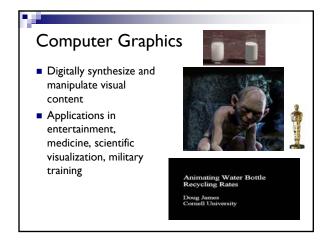


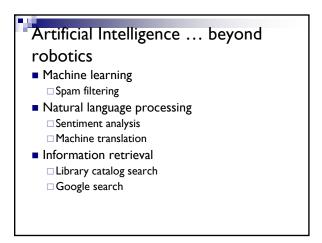








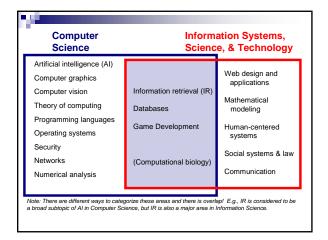




Related to search technology, there are many other topics of interest and importance...

- Database
- Trustworthy system, security, privacy
- Human-computer interaction
- Web design and applications
- Policy and law





Our goals

- Learn about the broad field of computing & information science
- Analyze the social, legal, and ethical issues in computing today
- Learn about some cool CS/IS methods behind popular technologies (e.g., Google search)
- Learn some computer programming
- Discover the programs of study leading to careers in

What will we cover? Lots...

Four main threads

- □ Social, ethical, and legal issues in computing
- ☐ CS Application areas: artificial intelligence, machine learning, information retrieval
- □ IS Application areas: information architecture, human-computer interaction, information retrieval
- ☐ Computer programming: graphics, media manipulation, 3-d modeling

What will you do?

- Participate in discussion, lecture, lab
- Read, reflect, and write...
- Develop computer programs
 - $\hfill\square$ Manipulate digital media, build a spam classifier
- Perform a usability study on a real website
- Submit a term paper (and debate)
- Present a final project

http://www.cs.cornell.edu/courses/cs1305

What determines your grade? Participation 10%

■Participation 10%
■Lab exercises and homework 45%
■2 Tests 20%
■Term paper (and debate) 20%

■Final presentation 5%

Logistics Typical locations: M-F 9:00-10:15 PH403 M-F 10:30-11:45 PH403 M-R 1:15-2:45 UP109 or ACCEL lab M-R 3:00-4:45 ACCEL lab Office hours: MWR 5-6p, TW 7-8p, F noon-1p