





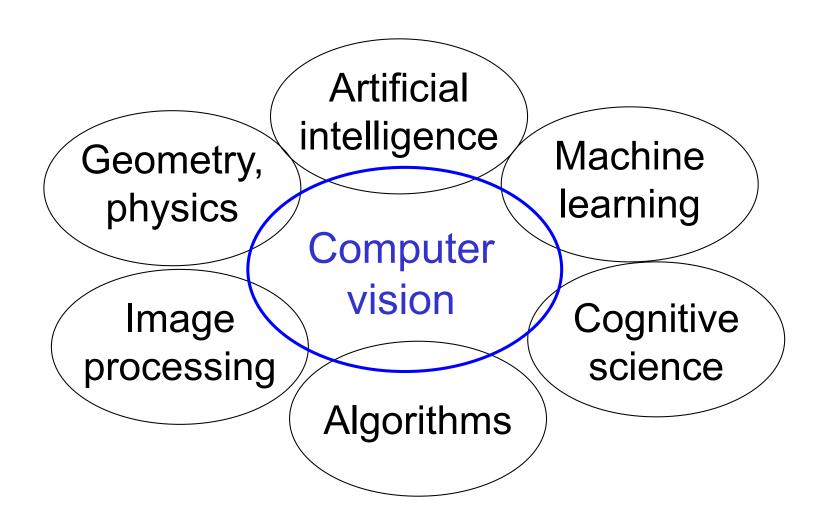
What is computer vision?

- Automatic understanding of images and video
- Computing properties of the 3D world from visual data
- Algorithms and representations to allow a machine to recognize objects, people, scenes, and activities.

Defining Artificial Intelligence

- A science and a set of computational technologies that are inspired by, but typically operate quite differently from, the ways people use their nervous systems and bodies to sense, learn, reason, and take action
- NOT one thing
 - More than just deep learning
 - RL, NLP, vision, planning, symbolic reasoning, algorithmic game theory, computational social choice, human computation

Related disciplines









Half the cerebral cortex devoted to processing visual data!



















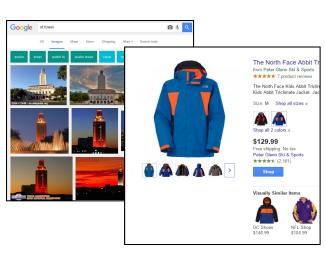
What is possible once computers can see?



Autonomous robotics



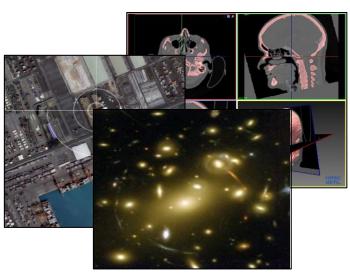
Gaming, HCI, Augmented Reality



Organizing visual content



Surveillance and security



Science and medicine



Personal photo/video collections