

Lecture 1

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Introduction
Computer Vision
Processing
Processing
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Introduction

What is vision?

Human vision is very fast at classification and recognition.
Especially when motion and animals are involved.

Bad at detecting some differences in images, (reflection
vs. no-reflection). Can fall prey to a myriad of optical illusions.

Computer Vision

History

Goal: *bridge the gap between pixels and meaning.*

Computer Vision started as a summer vision project in 1966 at MIT.



Processing

Low-level

Extract low-level cues

- Corners
- Edges
- Regions

High-level

Make decisions

- There are 2 cars
- The fairies are fake

Processing

Low-level

Processing

Low-level

Processing

Low-level

Processing

Low-level

Processing

Low-level