

Lecture 1

Joseph Hines

April 11, 2019

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.

What is vision?

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

- This text appears on the first and third versions of the slide, but not the second.

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

What is vision?

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

- This text appears on the first and third versions of the slide, but not the second.

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.

History

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

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

![This is a caption](image.png) height=100px

Processing

Low-level

Extract low-level cues

- Corners
- Edges
- Regions

High-level

Make decisions

- There are 2 cars
- The fairies are fake

Processing

Processing

Processing

Processing

Processing

