ntroduction

Lecture 1

Joseph Hines

April 11, 2019

Introduction Computer Vision Processing

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.

Introduction Computer Vision Processing

Computer Vision

History

Goal: bridge the gap between pixels and meaning.

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



Computer Vision
Processing
Processing

Computer Vision
Processing
Processing

Low-level

Extract low-level cues

- Corners
- Edges
- Regions

Computer Vision
Processing
Processing

High-level

Make decisions

- There are 2 cars
- The fairies are fake