Lecture 1

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Introduction

What is vision?

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

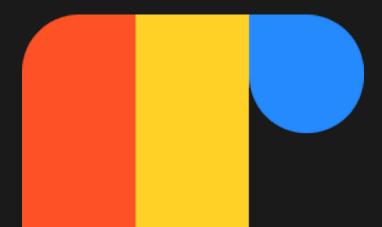
Bad at detecting some differences in images, (reflection vs. no-reflection). Can fall prey to a myriad of optical illusions.

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