

CLAIMS

1. A device, comprising:
one or more processors to:
receive a set of images to be processed,
an image, of the set of images, depicting multiple objects,
a first object of the multiple objects being different than a second object of
the multiple objects;
process the image;
identify the first object or the second object based on processing the image;
identify a context of the image based on identifying the first object and based on
metadata of the image;
reprocess the image based on identifying the context;
identify a third object based on reprocessing the image;
identify a metric associated with the context;
determine that the third object contributes to a value of the metric;
update the value of the metric based on determining that the third object
contributes to the value of the metric; and
perform an action based on the value of the metric or based on identifying the
third object.

2. The device of claim 1, where the one or more processors are further to:
identify a fourth object depicted in the image; and
where the one or more processors, when identifying the context of the image, are to:

identify the context of the image based on identifying the fourth object depicted in the image.

3. The device of claim 1, where the one or more processors are further to:
prevent the device from identifying a fourth object,

the fourth object being associated with a different context.

4. The device of claim 1-3, where the one or more processors are further to:
receive multiple sets of images to be processed,

a first set of images, of the multiple sets of images, and a second set of images, of the multiple sets of images, being associated with a first location;

determine whether a fourth object, depicted in the first set of images, is depicted in the second set of images; and

mark or unmark the fourth object for the first set of images and the second set of images based on determining whether the fourth object is depicted in the second set of images.

5. The device of claim 1-4, where the multiple objects include:
betting slots,
playing chips, or
playing cards.

6. The device of claim 1-5, where the one or more processors, when updating the value of the metric, are to:

- update a quantity of games played,
- update a quantity of rounds played, or
- update a quantity of bets placed.

7. The device of claim 1-6, where the one or more processors, when performing the action, are to:

- transmit a message or a command to a dispatch system or a scheduling system based on the value of the metric or based on identifying the first object or the second object.

8. A computer-readable medium storing instructions, the instructions comprising:
one or more instructions that, when executed by one or more processors, cause the one or more processors to:

- receive, from an image capture system, one or more images captured by the image capture system,

- the one or more images depicting one or more objects;

- process the one or more images using one or more image processing techniques;

- identify the one or more objects based on processing the one or more images;

- identify a context of the one or more images based on the one or more objects

- and based on metadata;

- reprocess the one or more images based on identifying the context;

- identify another object based on reprocessing the one or more images;

determine whether the other object contributes to a value of one or more metrics associated with the context; and

perform an action based on the value of the one or more metrics.

9. The computer-readable medium of claim 8, where the one or more instructions, that cause the one or more processors to identify the one or more objects, cause the one or more processors to:

mark a first object, of the one or more objects, in a first image of the one or more images; and

where the one or more instructions, when executed by the one or more processors, further cause the one or more processors to:

determine that the first object is not depicted in a second image of the one or more images; and

unmark the first object in the first image based on determining that the first object is not depicted in the second image.

10. The computer-readable medium of claim 8 or 9, where the one or more instructions, when executed by the one or more processors, further cause the one or more processors to:

extract one or more features or one or more object parameters of the one or more objects; and

where the one or more instructions, that cause the one or more processors to identify the context, cause the one or more processors to:

identify the context based on the one or more features or the one or more object parameters of the one or more objects.

11. The computer-readable medium of claim 8-10, where the one or more instructions, when executed by the one or more processors, further cause the one or more processors to:

identify a first context associated with a first image of the one or more images;

identify a second context associated with a second image of the one or more images; and

where the one or more instructions, that cause the one or more processors to reprocess the one or more images, cause the one or more processors to:

reprocess at least one of the first image or the second image based on identifying the first context or the second context.

12. The computer-readable medium of claim 8-11, where the one or more instructions, that cause the one or more processors to identify the one or more objects, cause the one or more processors to:

identify a combination of a first object, of the one or more objects, and a second object of the one or more objects; and

where the one or more instructions, that cause the one or more processors to reprocess the one or more images, cause the one or more processors to:

reprocess the one or more images based on the combination of the first object and the second object.

13. The computer-readable medium of claim 8-11, where the one or more metrics are associated with a first context and not a second context.

14. The computer-readable medium of claim 8-14, where the one or more instructions, that cause the one or more processors to identify the context of the one or more images, cause the one or more processors to:

identify the context of the one or more images as a manufacturing context based on the one or more objects,

the one or more objects including conveyor belts, manufacturing equipment, or hardhats.

15. A method, comprising:

receiving, by a device, a set of images to be used as a training set,

the set of images depicting multiple objects;

processing, by the device, the set of images using a set of techniques based on receiving the set of images,

the processing permitting the device to extract a feature or identify an object parameter of an object depicted in the set of images;

identifying, by the device, the object depicted in the set of images based on processing the set of images;

extracting, by the device, the feature of the object depicted in the set of images based on identifying the object depicted in the set of images;

identifying, by the device, the object parameter of the object depicted in the set of images based on identifying the object depicted in the set of images or extracting the feature of the object;

identifying, by the device, a context of the set of images based on the extracted feature or the object parameter and based on metadata of the set of images;

reprocessing, by the device, the set of images based on identifying the context;

identifying, by the device, another object of the multiple objects based on reprocessing the set of images;

determining, by the device, that the other object contributes to a value of a metric associated with the context; and

storing, by the device, at least one of:

the value of the metric,

the set of images,

information identifying the extracted feature, or

information identifying the identified object parameter.

16. The method of claim 15, further comprising:

adjusting identification of the object parameter using another set of images; and

associating the identification of the object parameter with the metric based on adjusting the identification of the object parameter.

17. The method of claim 16, further comprising:

receiving structured data or an additional set of images,

the structured data being related to the set of images; and
marking or unmarking an additional object or an additional object parameter based on the structured data or the additional set of images.

18. The method of claim 15-17, further comprising:
determining that the object or the object parameter is associated with a particular context,
the particular context being a public safety context or a travel context; and
where identifying the context of the set of images comprises:
identifying the context of the set of images based on determining that the object or the object parameter is associated with the particular context.

19. The method of claim 15-18, where processing the set of images comprises:
processing the set of images using a set of computer vision algorithms that includes:
an edge detection technique,
a signal processing technique,
a template matching technique,
a color segmentation technique,
a histogram equalization technique, or
a technique that uses a contour or convex hull; and
where extracting the feature of the object comprises:
extracting the feature of the object based on processing the set of images using the set of computer vision algorithms.

20. The method of claim 15-19, further comprising:

- receiving multiple images to be processed,
 - the multiple images depicting multiple other objects,
 - the multiple images being different than the set of images;
- processing the multiple images using the set of techniques based on receiving the multiple images;
- extracting features or object parameters from the multiple images based on processing the multiple images,
 - the features or the object parameters being associated with identifying the multiple other objects;
- identifying the multiple other objects included in the multiple images based on extracting the features or the object parameters;
- identifying the context of the multiple images based on the multiple other objects;
- determining a value of another metric associated with the multiple other objects and the context; and
- performing an action based on the value of the other metric or based on identifying the multiple other objects.