

# Image Classifier

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## Overview

This project is an image classification application built using Python, TensorFlow, and Tkinter. It classifies images as either a "cat" or a "dog" based on a pre-trained convolutional neural network (CNN) model. The project also includes a Tkinter-based GUI that allows users to refresh and display random test images, predict their classes, and upload new images for classification.

## Features

- **Image Classification:** Predicts whether an image contains a cat or a dog.
- **Interactive GUI:** Allows users to refresh images or upload their own images for classification.
- **Error Handling:** Handles invalid or corrupted image inputs gracefully.

## Output Images

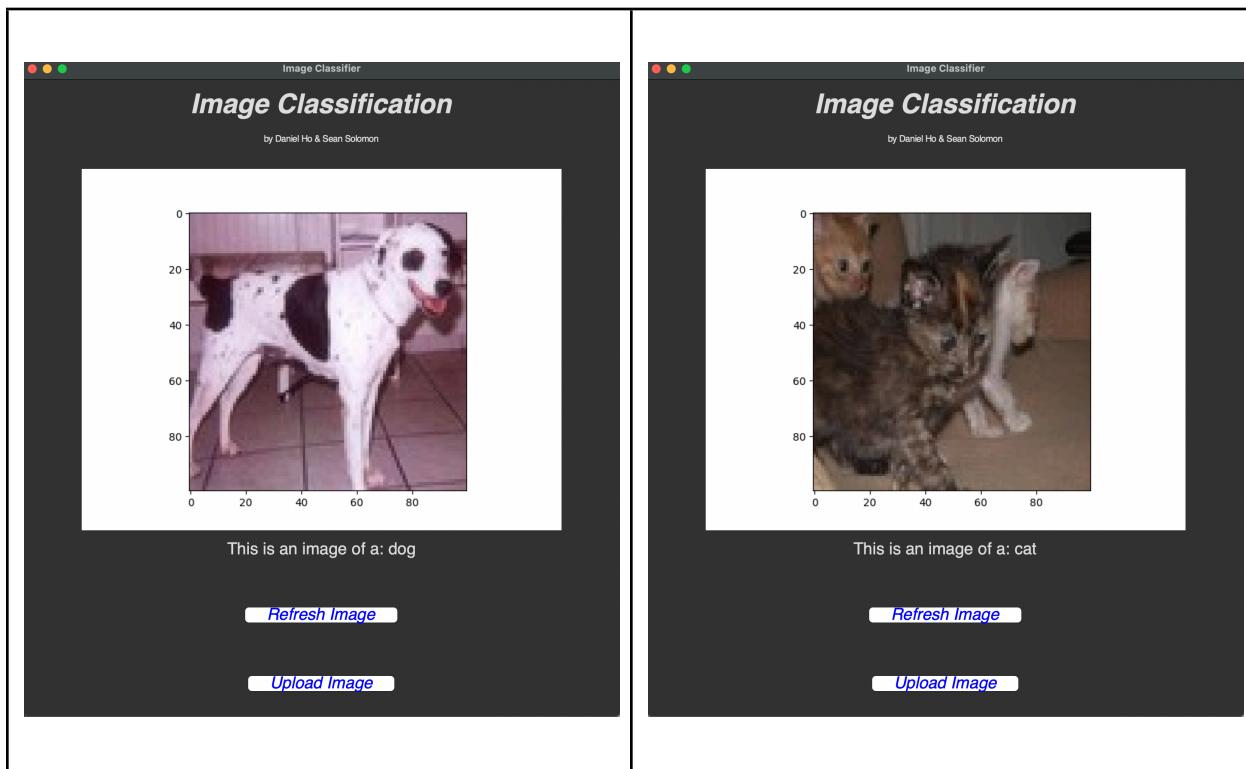


Image grabbed through online:

