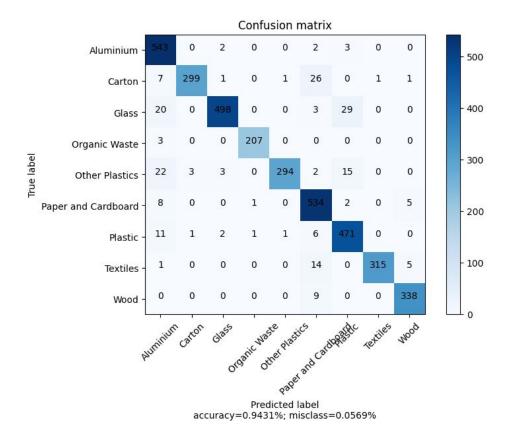
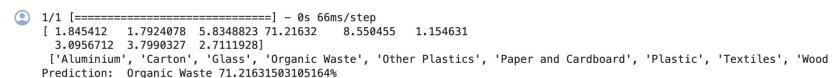
Image Classification of Waste Materials

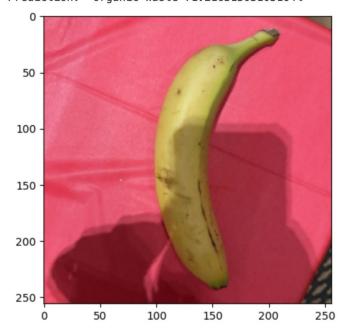
Using CNN Algorithim and Transfer Learning Model

(Built Using Model Trained by Daniel García Solla)

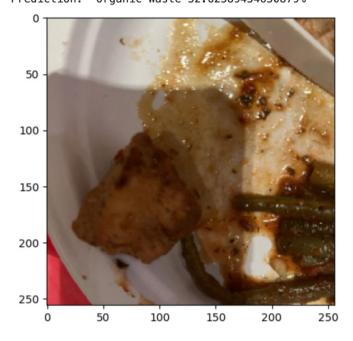


Confusion Matrix: Minimal difference between training and test accuracy



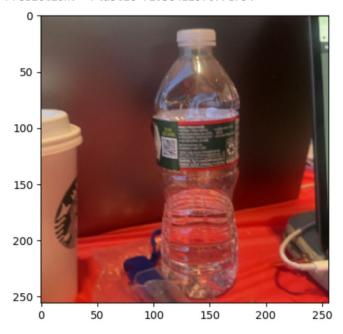


Predicts Banana as Organic Waste by 71.22 % accuracy

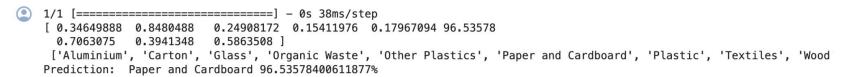


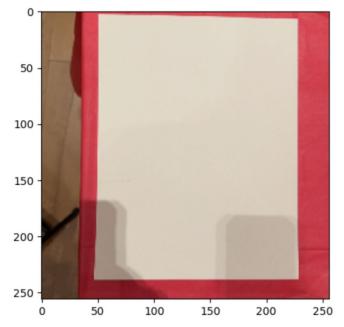
Predicts Chicken as Organic Waste by 52.62 % accuracy





Predicts Plastic Bottle as Plastic by 72.58 % accuracy





Predicts Paper as Paper and Cardboard by 96.53 % accuracy

Next Steps

- Expand the categories to be more specific in order to capture the correct category that represents its carbon footprint
- Connect it to the camera functionality in order to process images that are captured by the user
- 3. Integrate it with the web app using TypeScript