

# ScanPay: Food Detection Using Faster R-CNN

CMPT419 – Machine Learning – Spring 2020

## Abstract

For many parts of the food industry it is always hard to get a clear label to what food the customer was buying. Especially when there are multiple workers, there could be many workers serving the same customer and it may be hard for the cashiers to keep track of what food was purchased without a clear label. And on a tiring day, it is easy for the worker to make mistakes trying to classify types of foods. We present an application for the workers of the food industry to be able to label the type of food purchased, attached with the price of the item, by simply taking a picture of the food item with a cellphone and have the food item be classified by our pretrained model.

## Introduction

## Approach

## Results

## Conclusion