

Hakka

**Food Recognition &
Recipe Recommendation APP**

June 2023



01

Our Team



Yu Hsin Wang

Data Scientist



Elena Liao

Web/App Developer
UI/UX Designer



Annie Chiu

Software Engineer

Problems

- Difficulty in identifying food items, particularly when traveling or encountering unfamiliar cuisine.
- Limited accessibility to information about food ingredients and nutritional content, particularly for people with dietary restrictions or allergies.
- Inaccurate tracking of dietary intake, which can lead to health problems or difficulties in meeting dietary goals.
- Users who would like to get cooking inspiration to use up remaining ingredients in the fridge.

03

Hakka Solutions

- A web and App solution that allows user to get recipe recommendations and food intake calorie calculations anytime and everywhere.
- Users can simply upload a food image and we will take care of the rest!



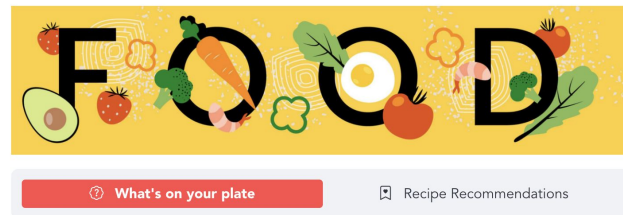
04

Hakka 1.0 Features

Upload food images 📷

Detected images 🥑

Recommend recipes 👨🍳

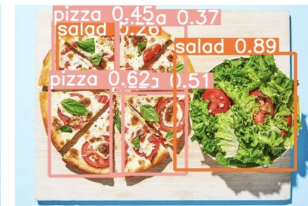


Food Image Recognition

AI Model That Recongnizes Food & Recommends Recipes

Original image

Inferenced image



05

Hakka 1.0 Features

Food Recognition



Trained on 40k food images

Contains 500 categories

Recipes
Recommendation



Connected to Allrecipes API

Web Deployment



Deploy website

Dataset: https://www.aicrowd.com/challenges/food-recognition-benchmark-2022/dataset_files

Allrecipes API: <https://github.com/remaudcorentin-dev/python-allrecipes>

06

Competition and Market



Food Recognition Solutions

Recipe Recommendations Solutions

The All-in-One Solution