OAZA

CONNECT, MOBILIZE AND NOURISH

A mobile application enabled by machine learning and a love for community and food.

CREATORS: Donna Le & Emily Dang

The Problem

12.3%

U.S. households with low to very low food security¹

Food Deserts:

geographic areas where nutritious and affordable food is difficult to obtain

Slightly more than half of U.S. farms are very small, with annual farm sales under

\$10,000

Small organic farmers have more difficulty finding buyers than large organic operations.

^{1.} USDA. Economic Research Service, using data from the December 2016 Current Population Survey Food Security Supplement

^{2.} Farming and Farm Income." USDA ERS - Farming and Farm Income, www.ers.usda.gov/data-products/ag-and-food-statistics-charting-the-essentials/farming-and-farm-income/

Food Desert Communities

Our Solution

Connect the two Communities

Small Family Owned Farms

The Connector: MOBILE MARKETS

Optimize and Sustain Mobile Markets

Using 2 tools

MACHINE LEARNING

PREDICT & IDENTIFY

- When food desserts will happen
- Trends of opening/closing of supermarkets in communities
- Communities that have been identified as food desserts

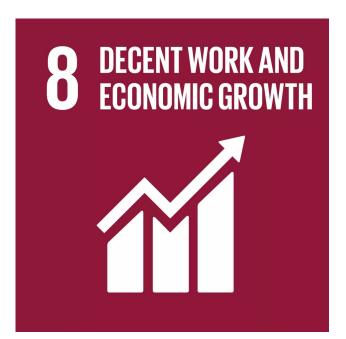
OAZA MOBILE APP

VISUALIZE & CONNECT

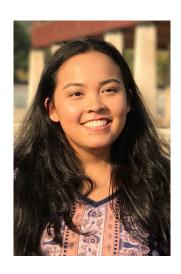
- View food desserts and local farms on one map
- See specific community and farm demographics
- Create and save farm contact list

UN Sustainable Development Goals





The Team



Donna Le, Technical & Research Lead

Donna is a senior at Syracuse
University studying Computer Science.
Passionate about diversity in tech and social impact, Donna spearheaded the research for this project and interviewed professors and students who have studied or lived in food deserts. Donna also led technical specifications and prototyping efforts for the Oaza application.



Emily Dang, Product Development Lead

Emily is a 2017 graduate from Syracuse University who studied Information Technology and International Relations. Passionate about enabling people around the world through technology and design, Emily led the ideation process of the user journey in the Oaza application and presentation. Emily also curated the look and feel of all project assets.

Thank You

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