Calorie Tracking Made Easy

DIET VISION

Presented by: Ernest Choi

PROBLEM

- 422 Million have Diabetes

- 9 Million use Continuous Glucose Monitors (CGM)

- Less than 17% keep track of diets

- Most common problem:

It's Annoying

DIET VISION

- Diet Vision is a pin that connects to a CGM via Bluetooth that uses computer vision to automatically keep track of diets

- After the first bite, it takes a seconds for glucose levels to spike

- It takes a picture when the first spike happens

- Keeps tracks of what nutrients, calories, and other info
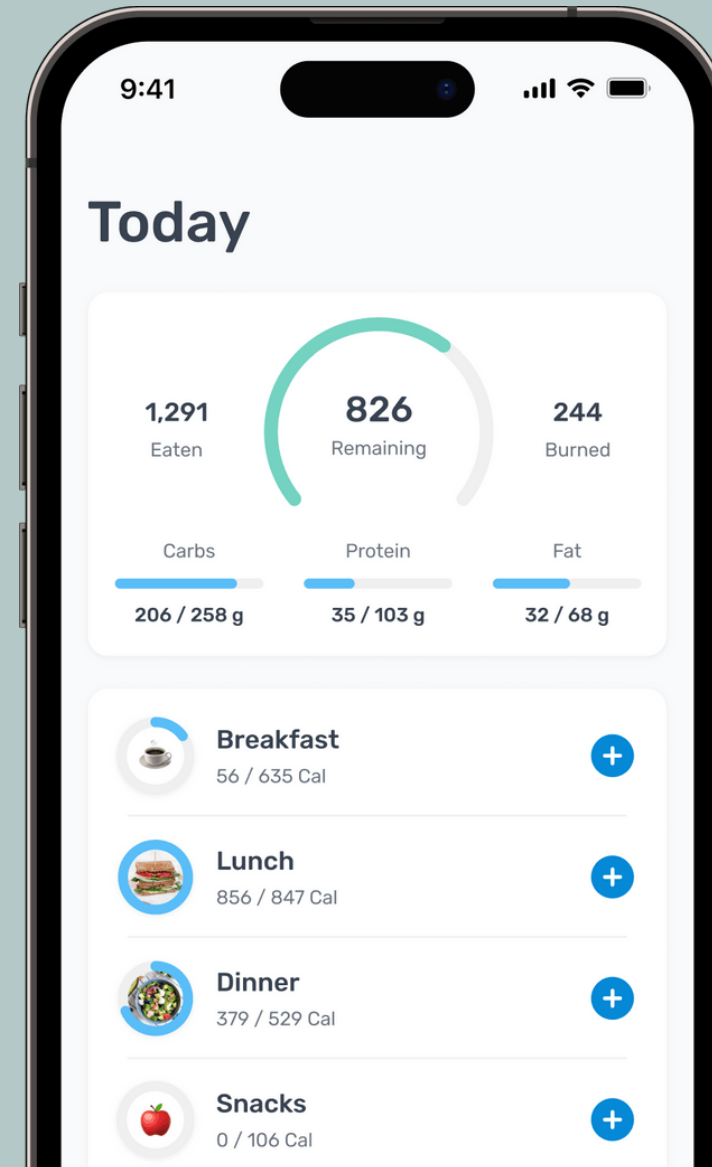
DIET VISION

MAIN FEATURES

Calorie Counter
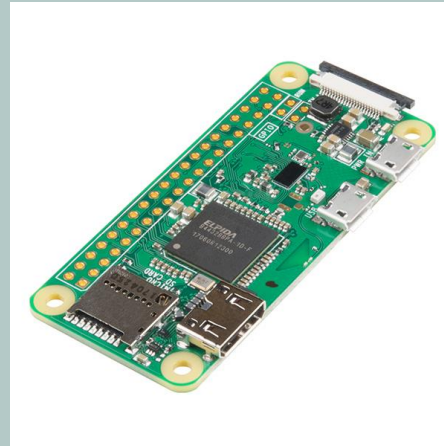
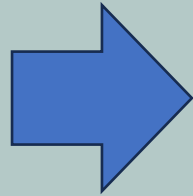Nutrition Goals
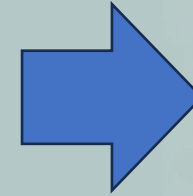
Daily Calorie Intake

Healthy Meal Suggestions

Today

1,291
Eaten

826
Remaining

244
Burned

Carbs

Protein

Fat

206 / 258 g

35 / 103 g

32 / 68 g

Breakfast
56 / 635 Cal

Lunch
856 / 847 Cal

Dinner
379 / 529 Cal

Snacks
0 / 106 Cal

How it works: Hardware

First Prototype is Libre 2 CGM

Raspberry Pi Zero

All Low Energy Bluetooth (Bluetooth LE)

Diet Vision App

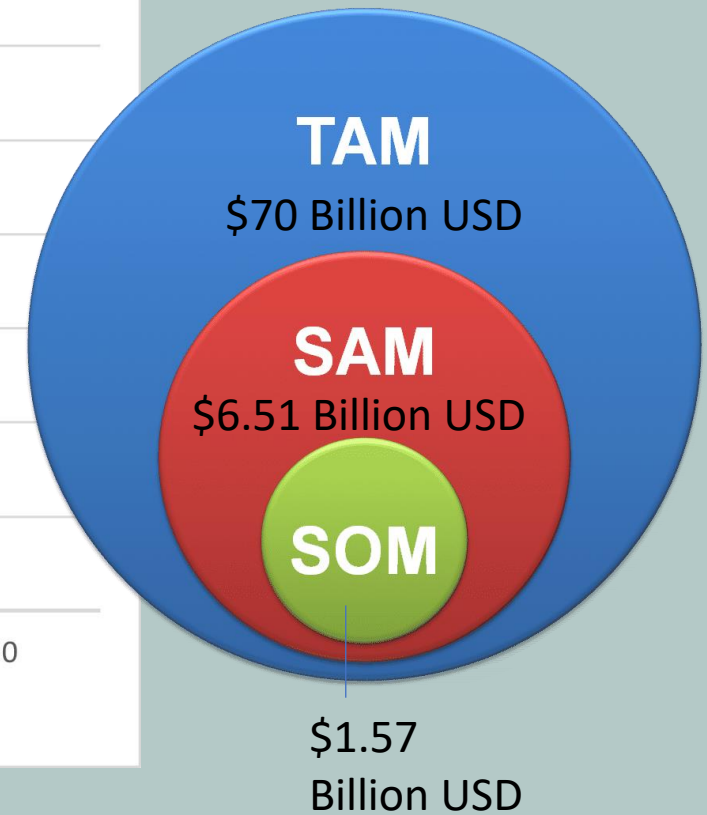DIET VISION
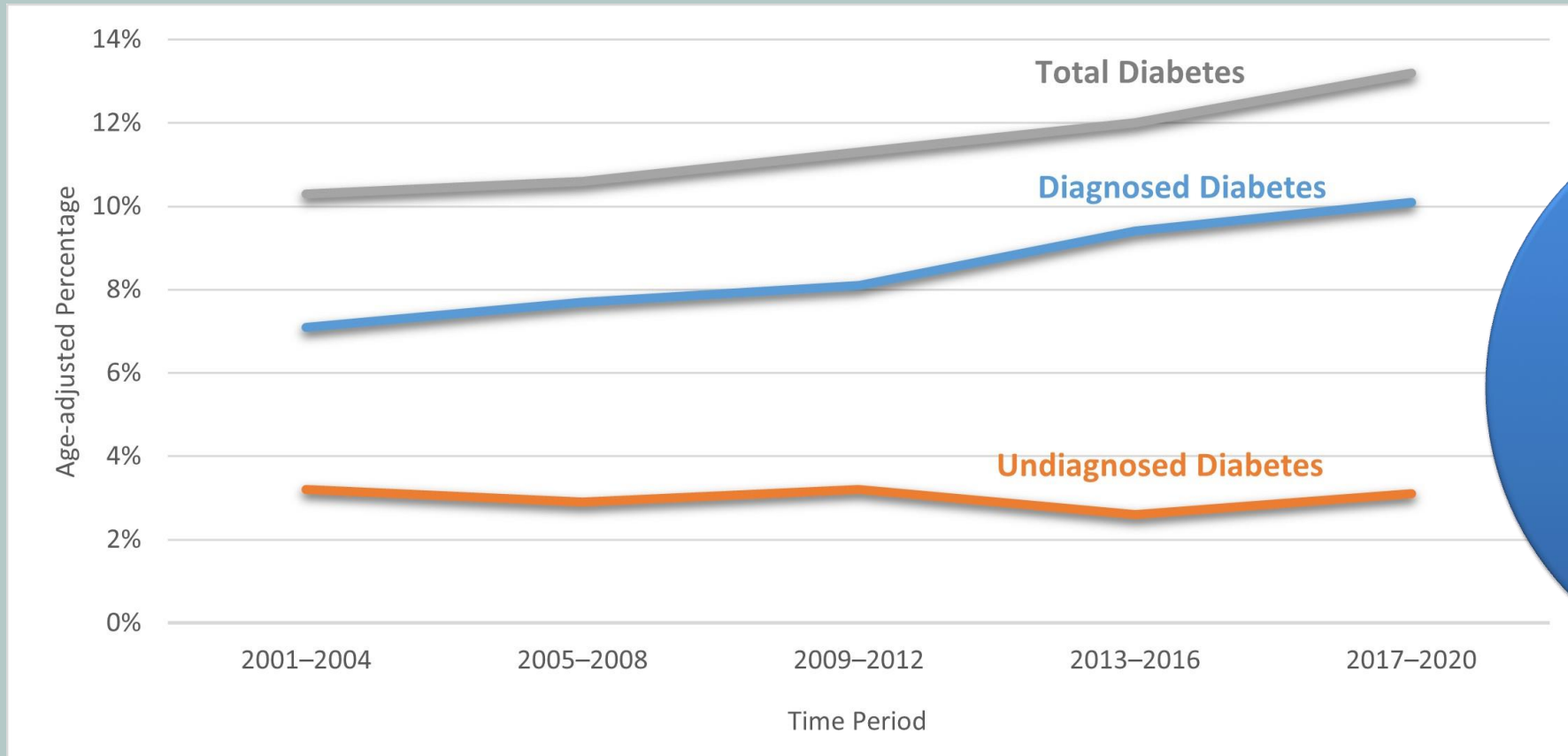
How it works: Software
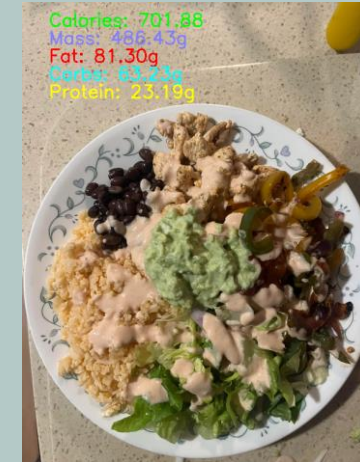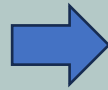
Tech Stack: Flask, Nvidia Triton Inference Sever, Onnx

Libraries: MicroPython, Raspbian Buster Lite, OpenCV, tensorflow, keras, numpy, pandas

Demand

BUSINESS MODEL

First Steps:

6 Months Approval

Startup Funding by Earnest3D LLC: $250,000

Crowd Funding: GoFundMe + KickStarter

B2C Business Model in US

Seek to expand with SEO

Final Goal is a complimentary good to all CGM

Potential Acquisition by Abbott or 3M

FUTURE UPDATES

- Dedicated Custom PCB for smaller size
- Contract with Abbott Diabetes Care Inc for integration
- Better Computer Vision Model

MEET THE TEAM

DIET VISION

Ernest Choi
Founder/Principal
Consultant

Rafiea Ashraf
Telecom Engineer

Fareed Khan
Software Engineer

Faiq Khan
Machine Learning
Engineer

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