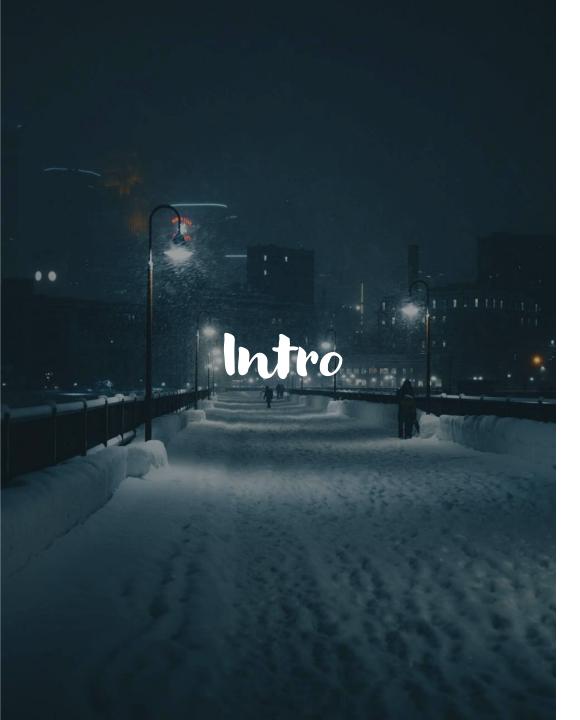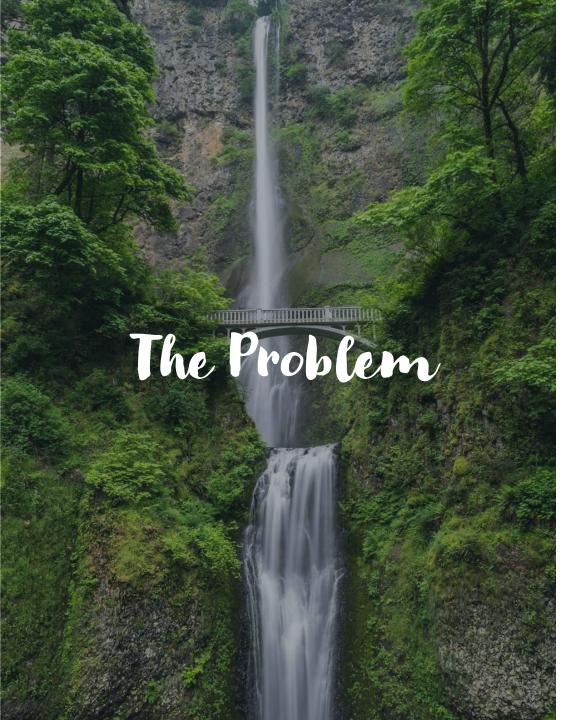Introducing

Hermes

BY TEAM SIGMA

A PROGRESSIVE APP FOR ITEM SHARING

Intro

- We are Lee Jia Jie, Prannaya Gupta and Tan Kai Xun Dave, and we are Team Sigma.

The Problem

- Currently, there is a lot of waste in this world. People **throw away things which they do not need** whereas others buy new versions of that **very same product**.

- This leads to **large amounts of CO2** being released into the atmosphere, through the **manufacturing of the new product** and the **burning of the old one.**

Impacts

- By solving this problem, we believe that we will be able to **curb the issue of climate change** more directly and **reduce Carbon emissions**.

- In addition, people may be able to get **more free things** that would have been otherwise thrown away, **leading to better economical value**.
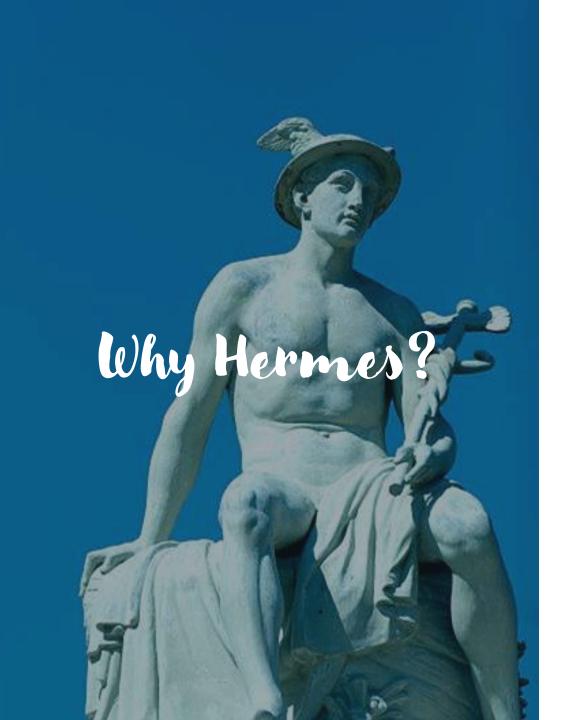
Our Application

- **Full-Stack Deep Learning** Model

- MEVN Stack: **Vue.js** with **Express/Node** and **MongoDB**

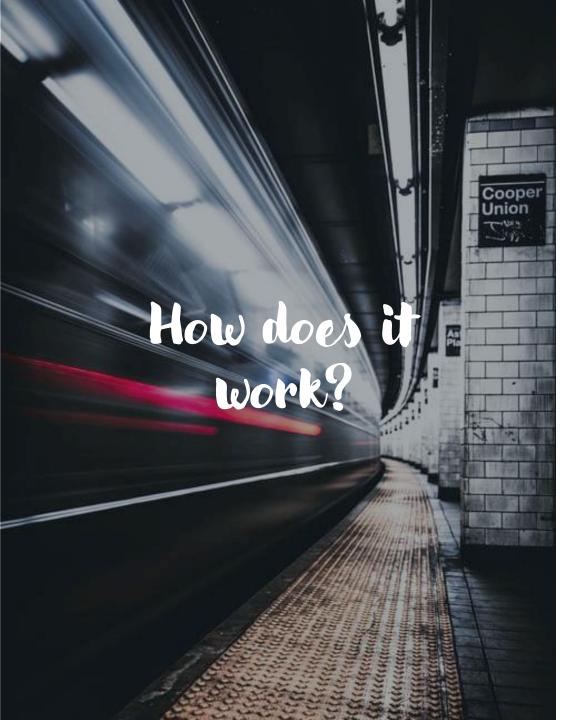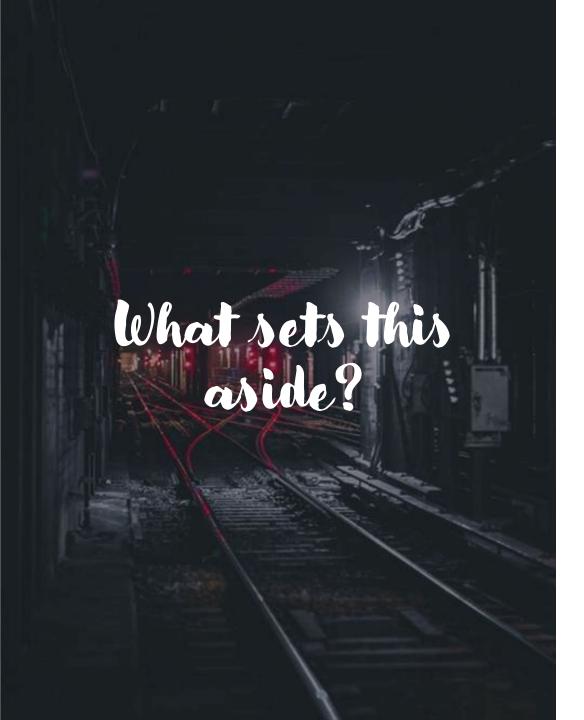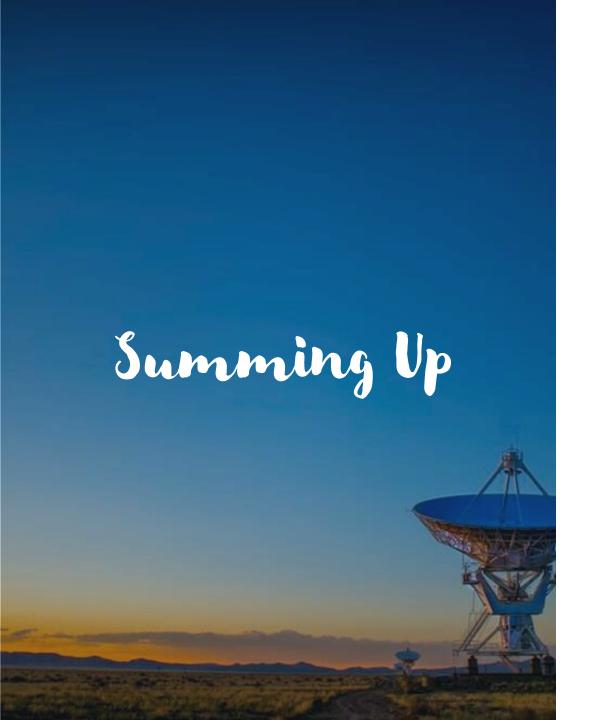- **TensorFlow** Model in Python ported to JS

Why Hermes?

- Hermes was the Greek God of **Trade**, **Communication** and **Profit**

- Acts as a *"messenger"*: provides listings and facilitating in the trading of different products

How does it work?

- Hermes is a **Web Application** that allows people to connect over **sharing items**.

- Listings of multiple "wastes" – Stationery, Electronics, Food, Furniture or Tools

- **Contact Info given** so that people can contact them regarding the items.

- Users can get **free stuff** using the app which others would throw away anyway, hence giving a **'win-win'** situation for everyone.

What sets this aside?

- Our Application integrates **Deep Learning** into an otherwise **Management**-based system

- A mixture of **Software Development** and **AI**

- **Convolutional Neural Network** that recommends categories

- **Seamless use** for new users

Summing Up

- The problem which we identified is that people **often waste or throw away products** which are **perfectly working** which **wastes a lot of carbon** in both the manufacturing and destruction processes.

- The solution we produced is to **create a web app** where people can **list their unwanted items**, and other people who want said **items for free can come and collect it**, preventing it from being wasted.

Thank You