A photograph of a railroad crossing at dusk or dawn. In the foreground, a white pole holds two large, circular flashing red lights. The lights are illuminated, and their red glow is visible. In the background, a train with several locomotives and freight cars is approaching the crossing. The train's headlights are on, and its lights are reflected on the tracks. The sky is dark, and the surrounding area is filled with green trees. The overall scene is dimly lit, with the primary light sources being the crossing lights and the train's headlights.

InterFact: Railroad Crossing Information System

Team Members



- Mason
- Brooke
- Ethan
- Bella
- Tanner

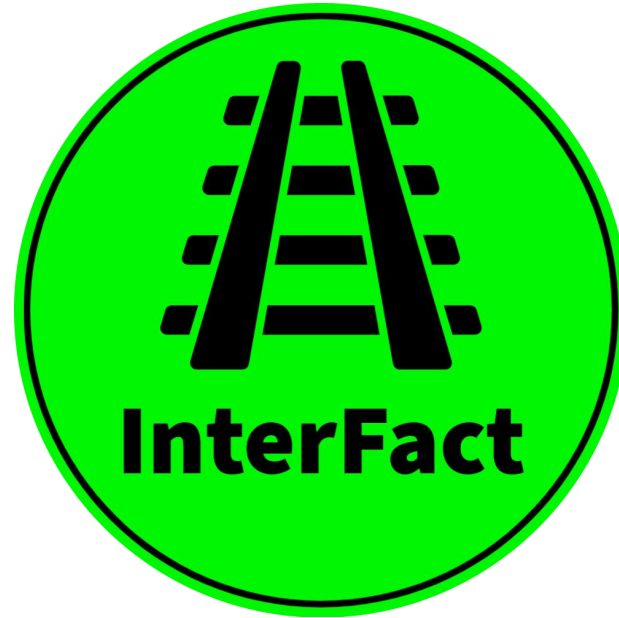


InterFact Client & Information:



Huseyin Ergin

You know him



Determines if a train is blocking an intersection in Muncie, using cameras and machine learning



An Admin Dashboard for reviewing data about the InterFact system

2st Iteration Features

- Interfact Admin Dashboard:
 - Displays intersections with pictures that show whether it is blocked or not
 - Shows if a camera is still working or not.



Mentor Feedback

- Feedback :
 - “Django is going to be a lot more difficult to implement than Next.js, especially for a team that has not done a backend in Django before.”
- Changes Made:
 - Migrated the front and back ends of the project to use the Next.js framework.



Client Feedback

- Feedback:
 - Would like to be able to filter the camera list view based on when images have been received.
 - Would like to add a firebase attribute for when cameras are being serviced
- Changes Made:
 - Incorporated both items into planned iteration 3 features.



Interfact Iteration 2 Demo!



Planned Iteration 3 Features:

- Admin Dashboard
 - + Filter intersections by time
 - + Show database of camera logs
 - + Rank intersections requested by users by popularity
 - + Show user reports of incorrect predictions and verify them, sending the picture to a place the machine can learn from it



Current Mood



Brooke



Bella



Tanner



Mason