



What is Experience:

Our product is a restaurant monitoring service that tracks customer waiting times using OpenCV computer vision technology to track when customers have been helped and updates this information for employees and managers to digest.

Solutions:

- Customer Wait Time Tracking
- Employee Reminders
- Improved Employee Accountability
- Trend Tracking
- Performance Data Statistics



Project Features

- > Table Monitoring System
- > Host & Server UIs
- > Manager UI (Coming Soon)
- > Facial Recognition Login System
- > Computer Vision
- > Quick and Easy Installation
- > Portable



Implementation

Login Facial Recognition using OpenCV

Returns top 3 possible users

Sign in	×
Edwin Gonzalez	
Mabelle Cruz	
Victor Santiago	

Host seats and assigns tables to servers
Database is updated as well as the server page

Camera system monitors dining room
Database and server page is updated

Server page shows valuable/useful information monitored by the camera system.

The Experience - Manager's Dashboard

Challenges:

What is the perfect wait time?
Distributed System
Procedures and Policy
Networking
System Administration
Server System Integrity

Conclusion & Future Plans:

- 1) Our future plans are to have an ordering system with a menu.
 - 2) Implementation to multiple tables in real time situations
 - 3) Manager UI with data statistics and standard employee management features.
- Our design makes it easy for restaurant hosts and servers to keep track of how long customers in a party or at a table have been waiting. Ability to integrate multiple components of the project independently into one application
- Suitable solution to reduce waiting time and improve just about any top tier dining experience.