

**MICHIGAN STATE**  
**UNIVERSITY**  
**Beta Presentation**

**ERP Air Force: Drone Elephant**  
**Recognition and Tracking**  
**The Capstone Experience**

**Team Evolutio**

Tyler Lawson

Rei Doko

Kunyu Chen

Jeremy Arsenault

Nic Wiggins



*From Students...*  
*...to Professionals*

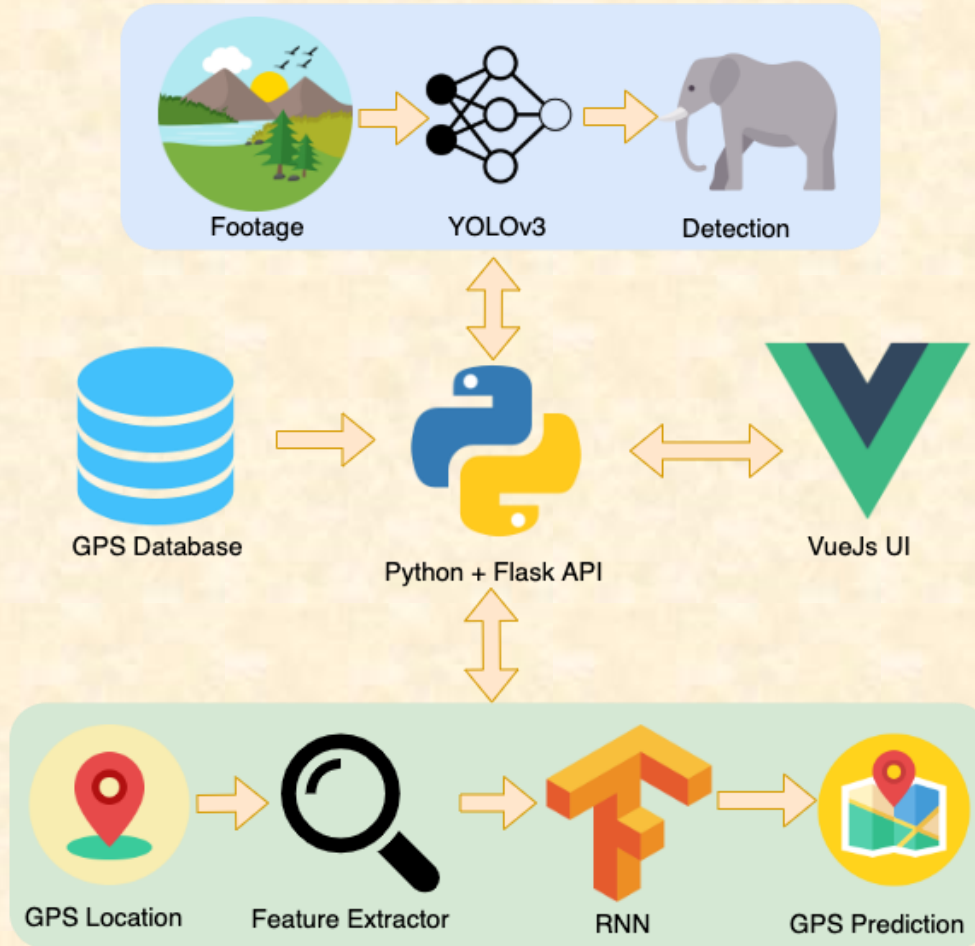
Department of Computer Science and Engineering  
Michigan State University  
Fall 2019

# Project Overview

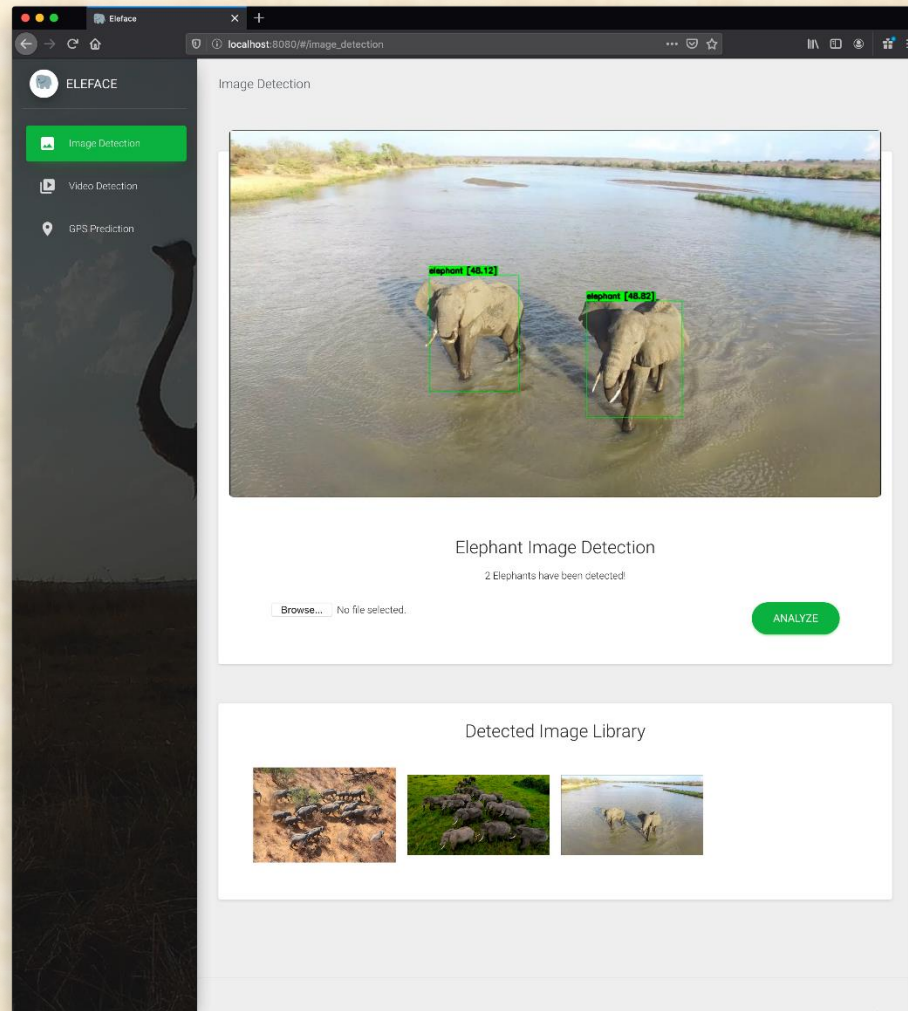
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- ERP is founded to preserve and protect South Africa's Elephants
  - Drones
  - GPS Collars
- The goal of our project is to help ERP analyzing their daily data
  - Auto-identify Elephants from drone footage
  - Inform rangers where to search for Elephants

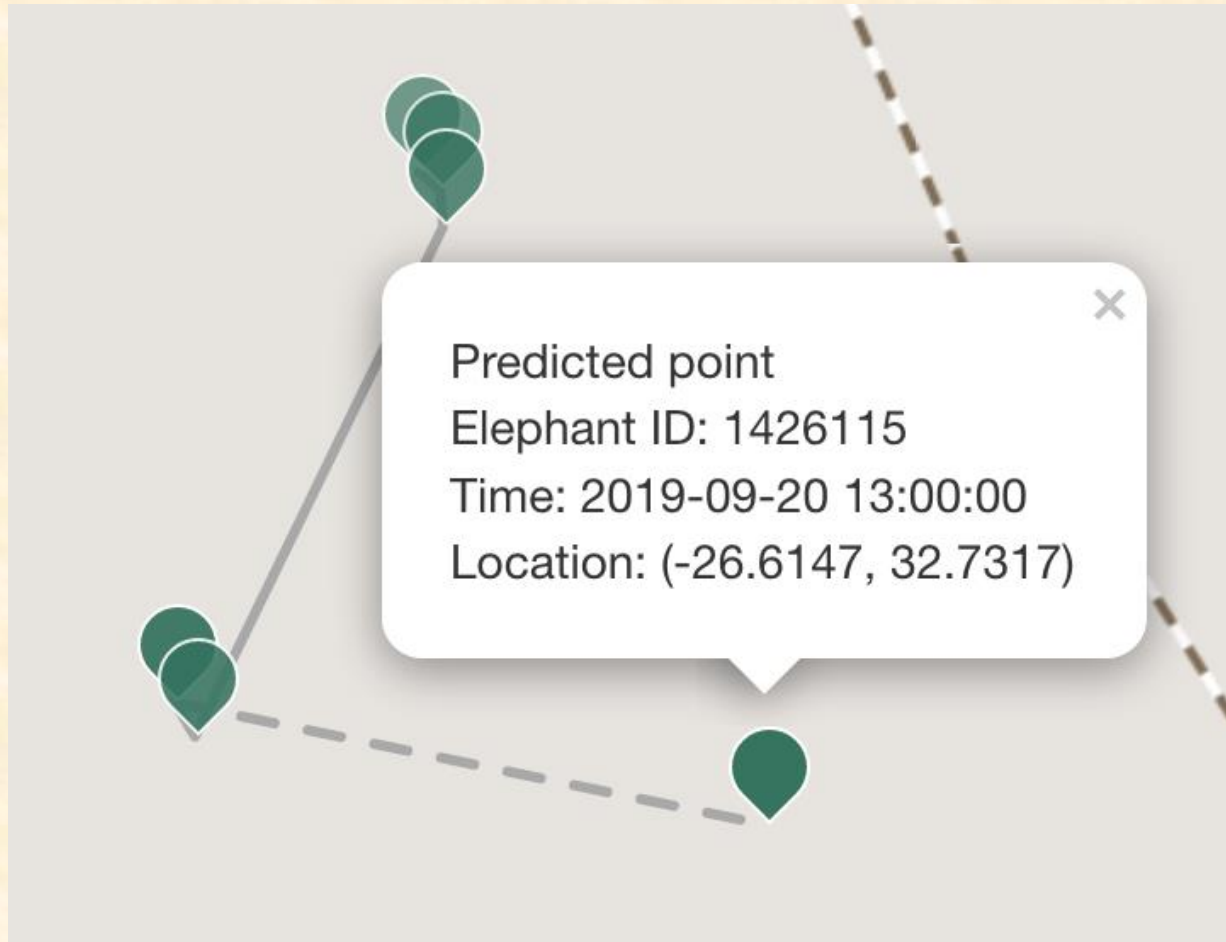
# System Architecture



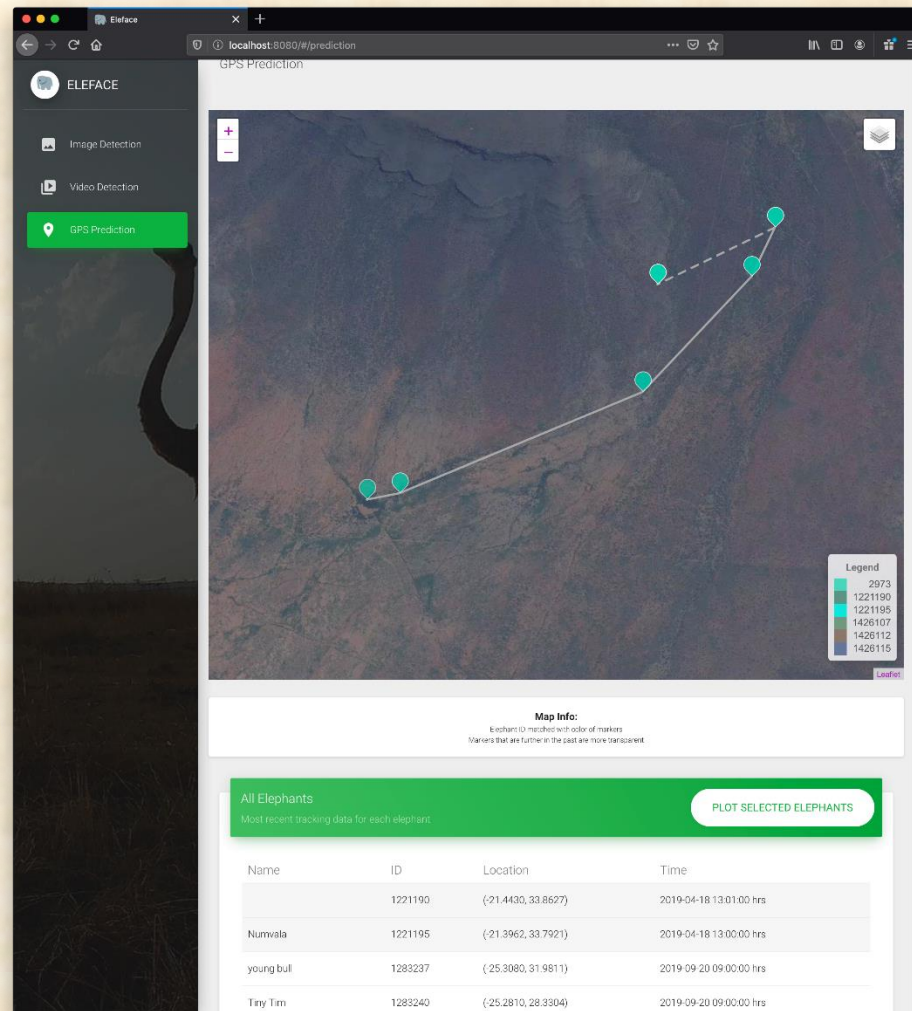
# Image Detection



# GPS Prediction Map

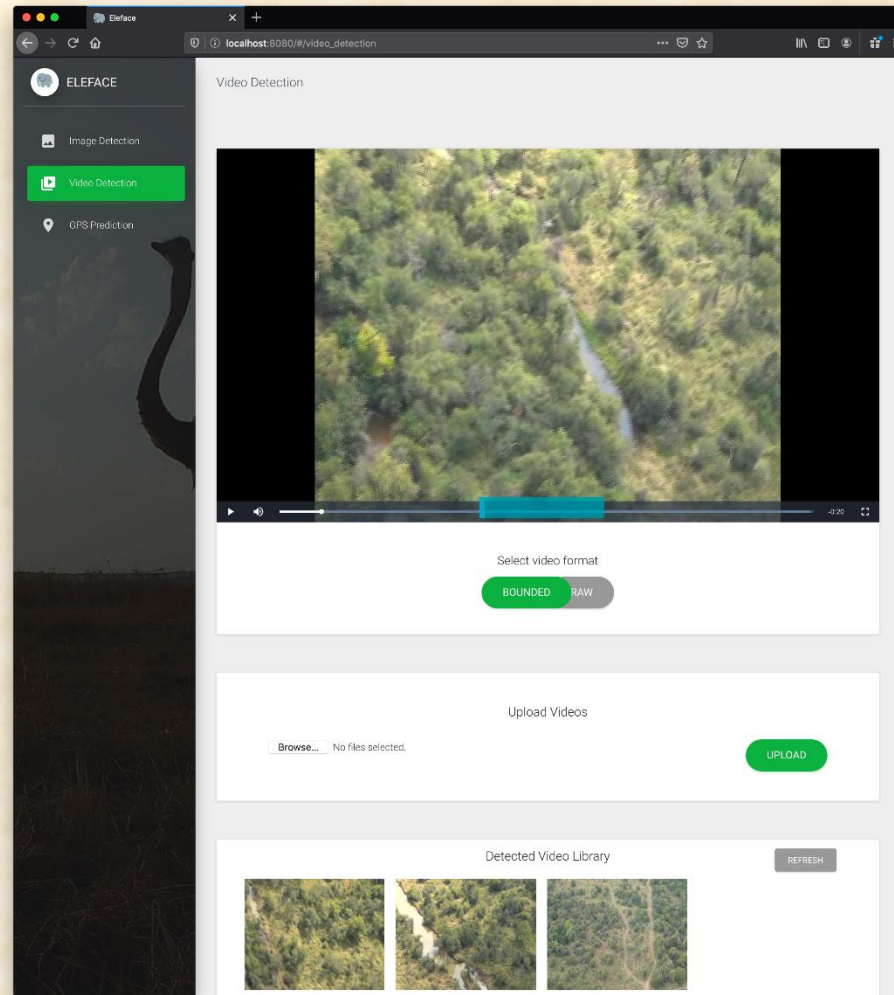


# GPS Prediction Page (Satellite View)





# Video Detection Page



# What's left to do?

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- Documentation
- Finish refining models
- Bug test
- Ship to client





# Questions?

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