MICHIGAN STATE UNIVERSITY

Alpha Presentation
ERP Air Force: Conservation
Threat Detection
The Capstone Experience

Team Evolutio

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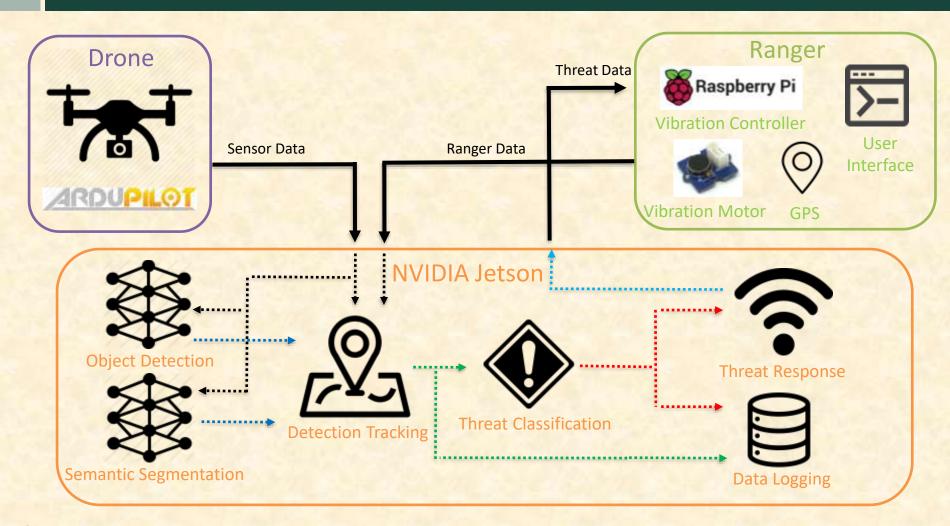
Department of Computer Science and Engineering
Michigan State University
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Project Overview

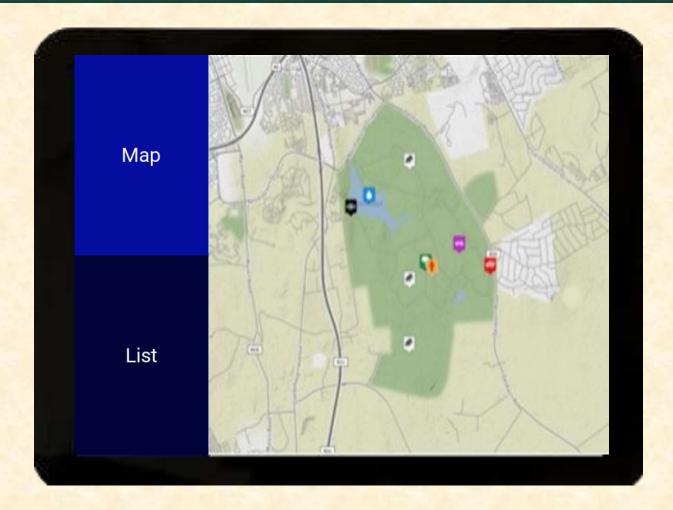
- Protect wildlife in South Africa
- Analyze drone footage
- Classify threats
- Alert rangers
 - Graphical user interface
 - Vibration vest

System Architecture

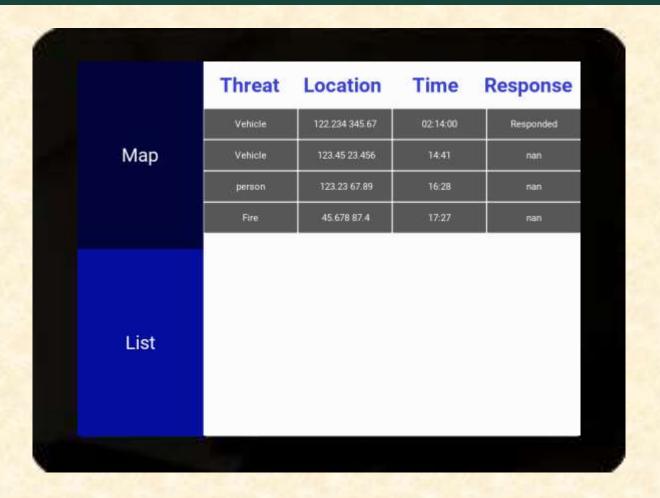




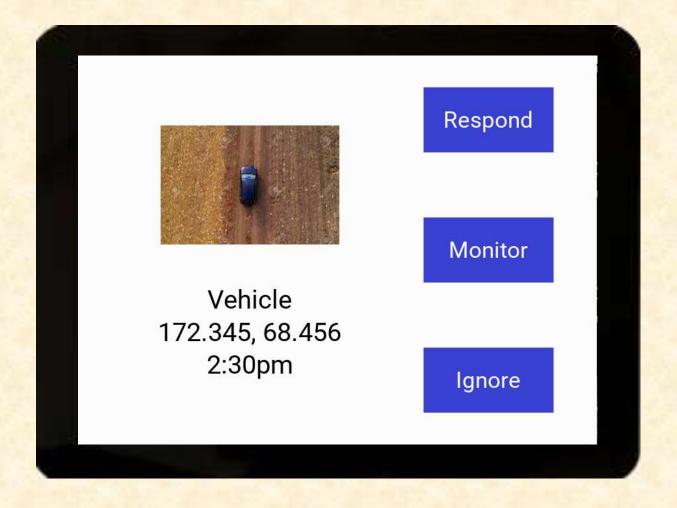
Map View



List View



Threat View





Fire Detection



What's left to do?

- Train on South African environment data set
- Map roads and trails of park in South Africa
- Map threats from images into real world coordinates
- Tracking and classification of threats
- Integrate connectivity to front end

Questions?

