
Drone Recognizer

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Gabrielle Alexander

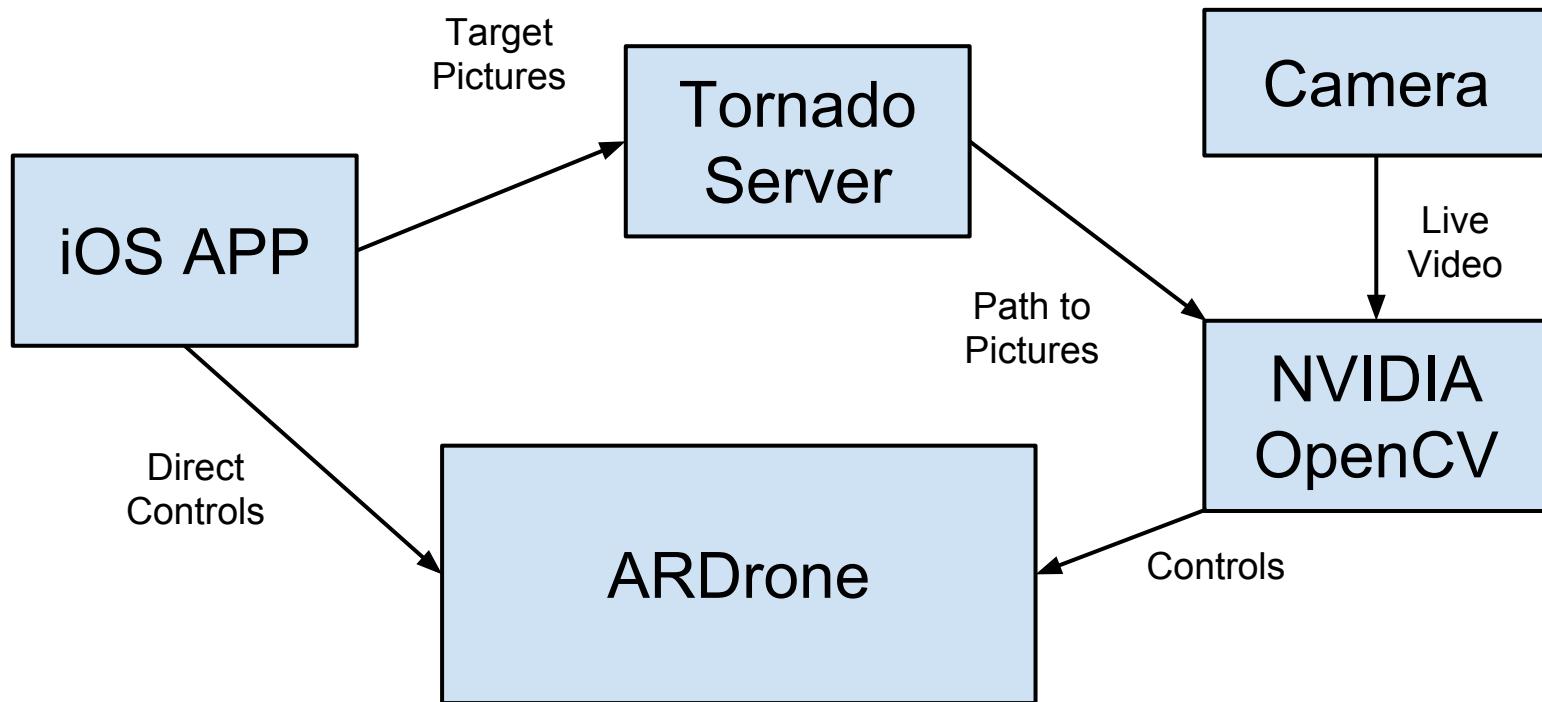
*Hurricane Katrina
was the 3rd largest
hurricane to strike
the United States
in 100 years.*

Motivation

Hurricane Katrina

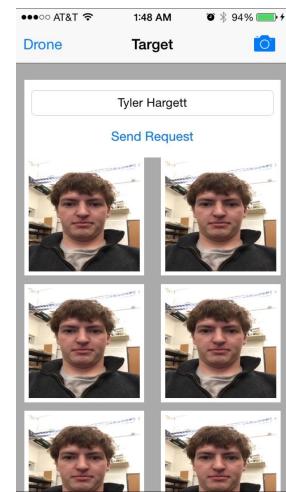
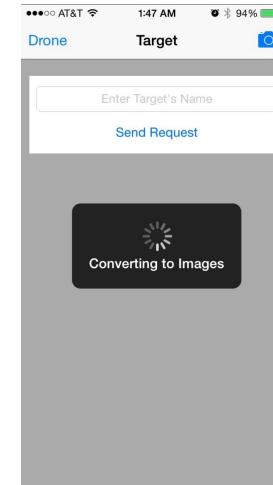
- 3rd strongest to hit US in 100 years
- 80% NOLA submerged in up to 20' deep water
- Emergency evacuations led to separations of children from families
- National agencies collaborated to solve 5,192 missing children cases

Overview of method used



iOS Application

- Record a video then convert to images to send to server
- Control the drone through the app



Overcome Problems

- Outdated SDK for iOS... sort of
- Drone control from C++
 - No working API
- Recognize a Specific Face
- Send big training set in a user friendly way

Limitations

- Weight
- Wifi Speed



Live Demo



Questions

Thank you!