

# STAR Presentation

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# Summer Goals

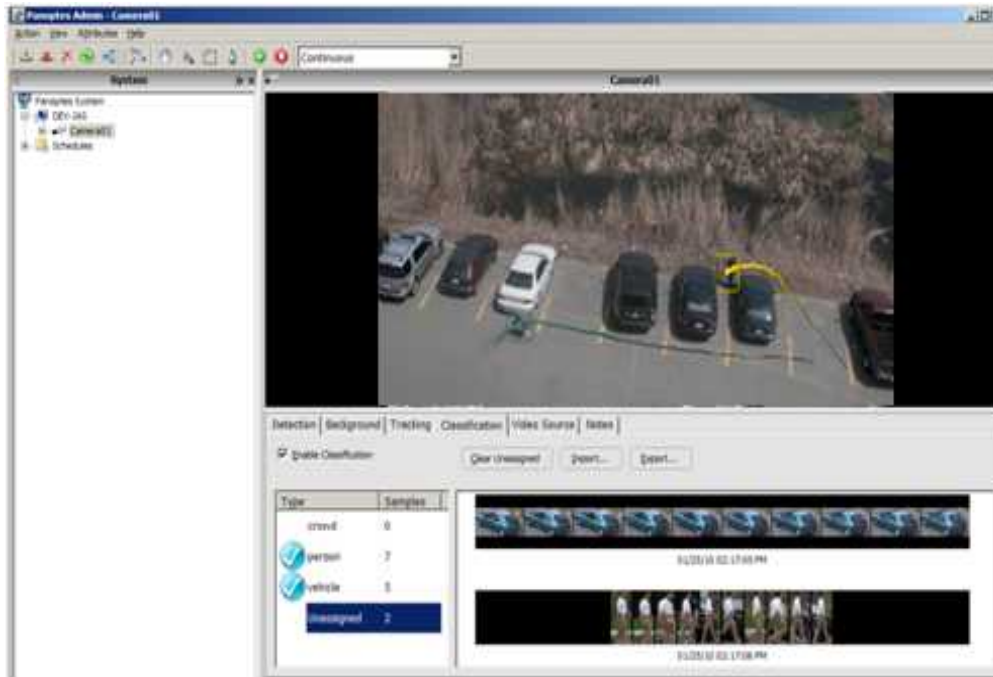
## Personal

- Gain work experience in a professional setting
- Acquire skills that will be beneficial in the future
- Explore possible career options in interesting fields

## Work

- Figure out a more cost-effective method of testing video analytics software
- Learn a little programming on the side

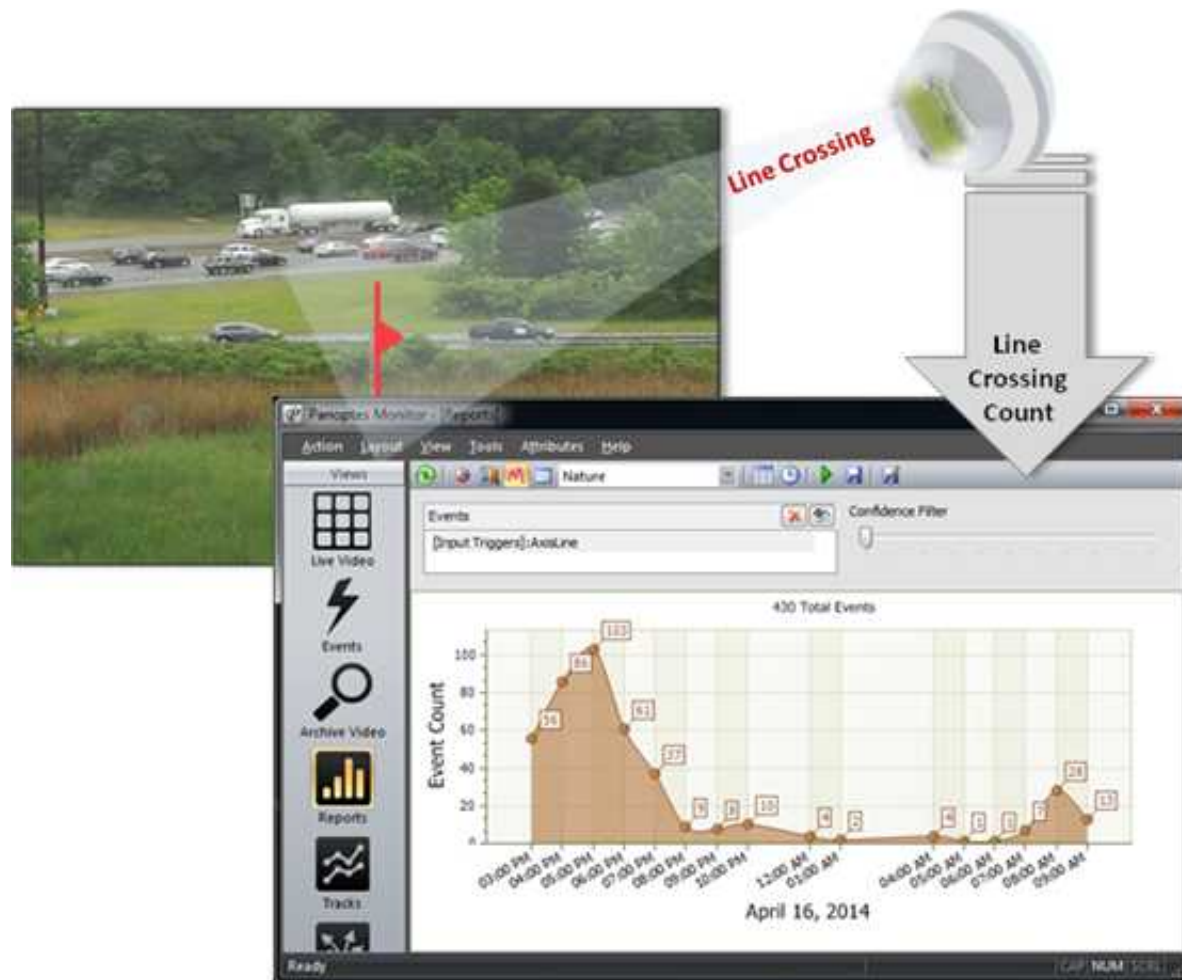
# Video Analytics Software



## Panoptes

IntuVision program used for basic detection of objects in a scene through a video file or live video feed

# Video Analytics Software (cont.)



# The Problem

- Creating test videos is expensive due to the cost of travel and equipment
- It is very time-consuming to travel to a site and take videos for days while still working around a customer's schedule
- Unreliable since weather, animals, etc. can't be controlled



# The Solution

Use a video game engine to replicate scenes and take videos of different events in a timely and cost-effective manner





# Comparison of Video

## Replication



# Comparison of Video

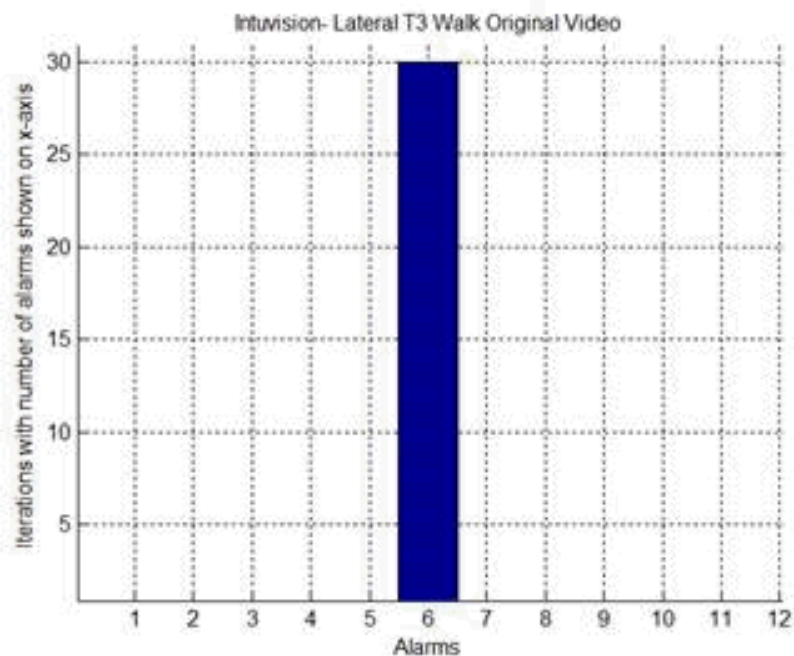
## Actual Video



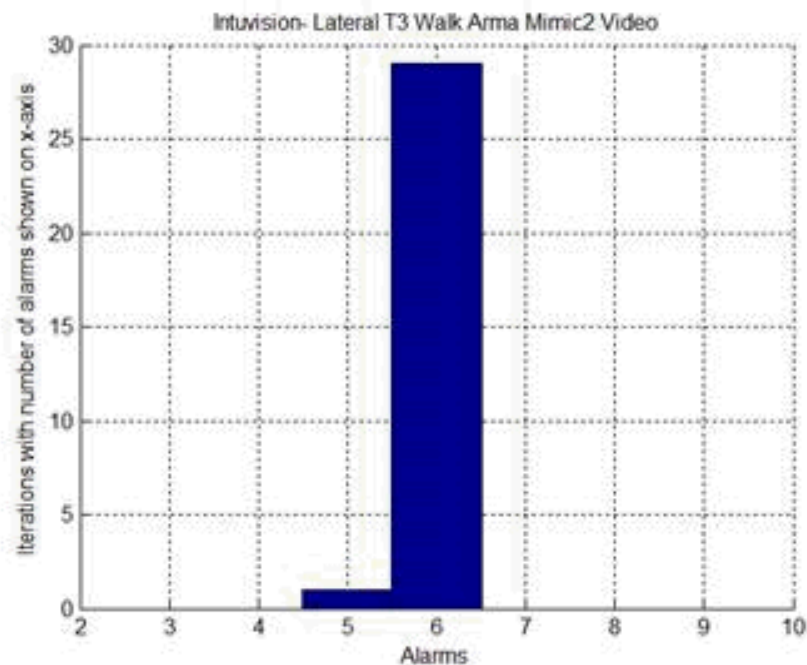


# Comparison of Graphs

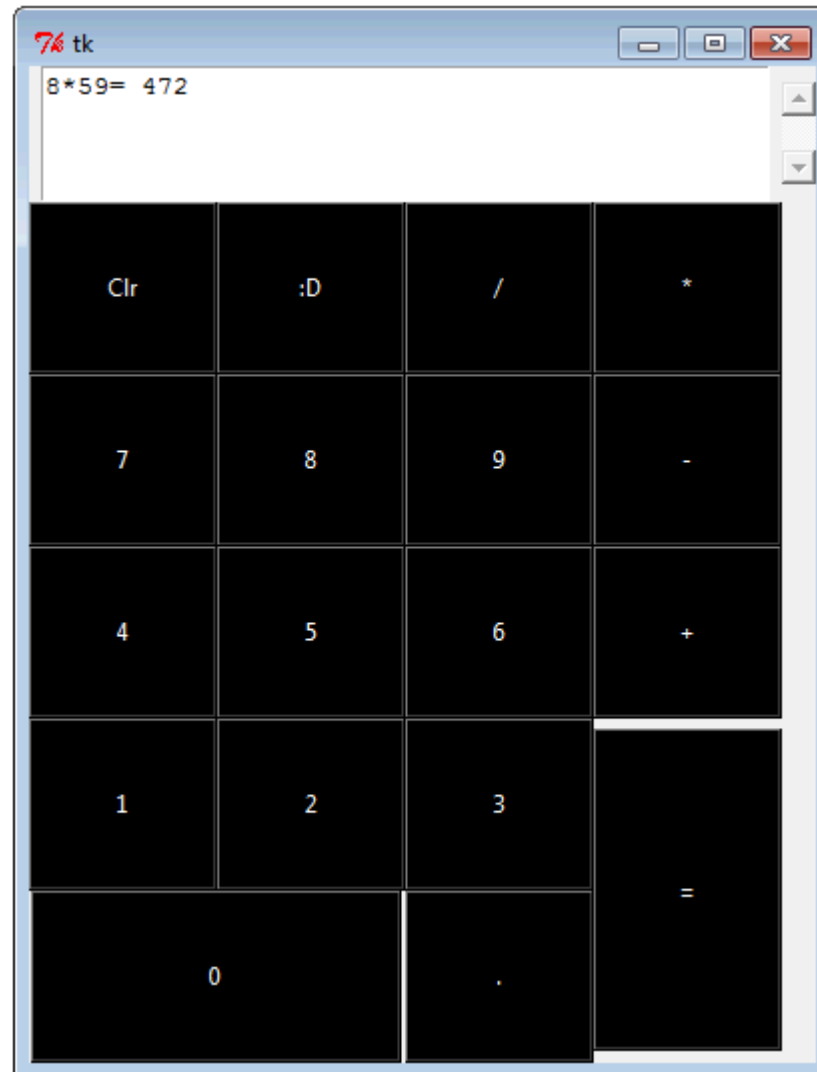
## Actual Video



## Replication



# A Little Programming



# Acknowledgements

- Cheryl Garcia
- STAR Program
- Dr. Gabriel Birch
- Department of Energy

# Questions

