

STAR Presentation

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in the national interest*



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Summer Goals

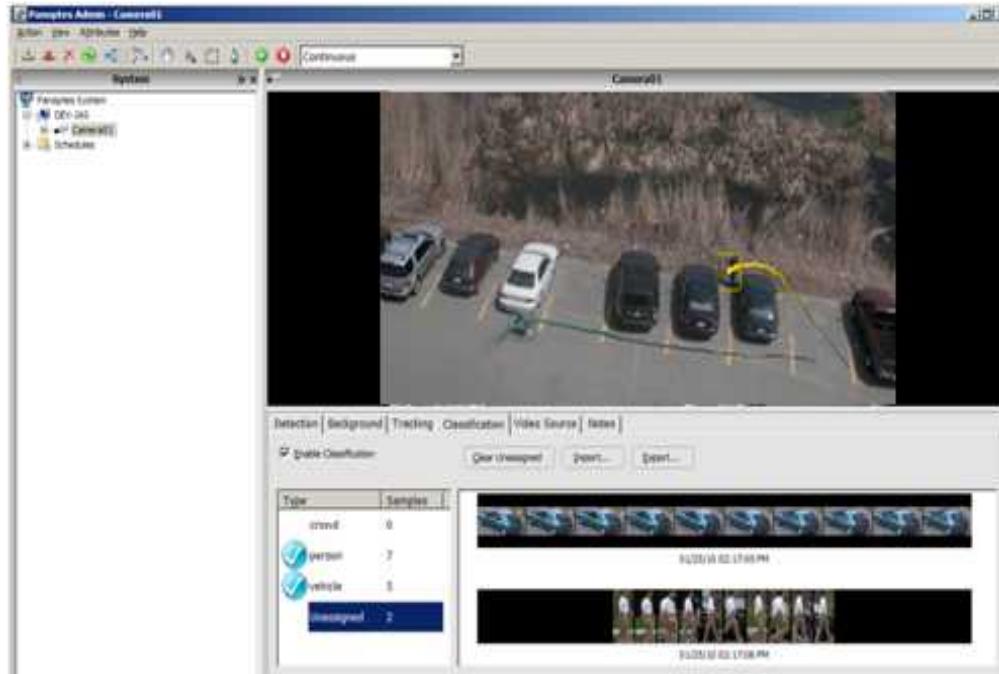
Personal

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

Work

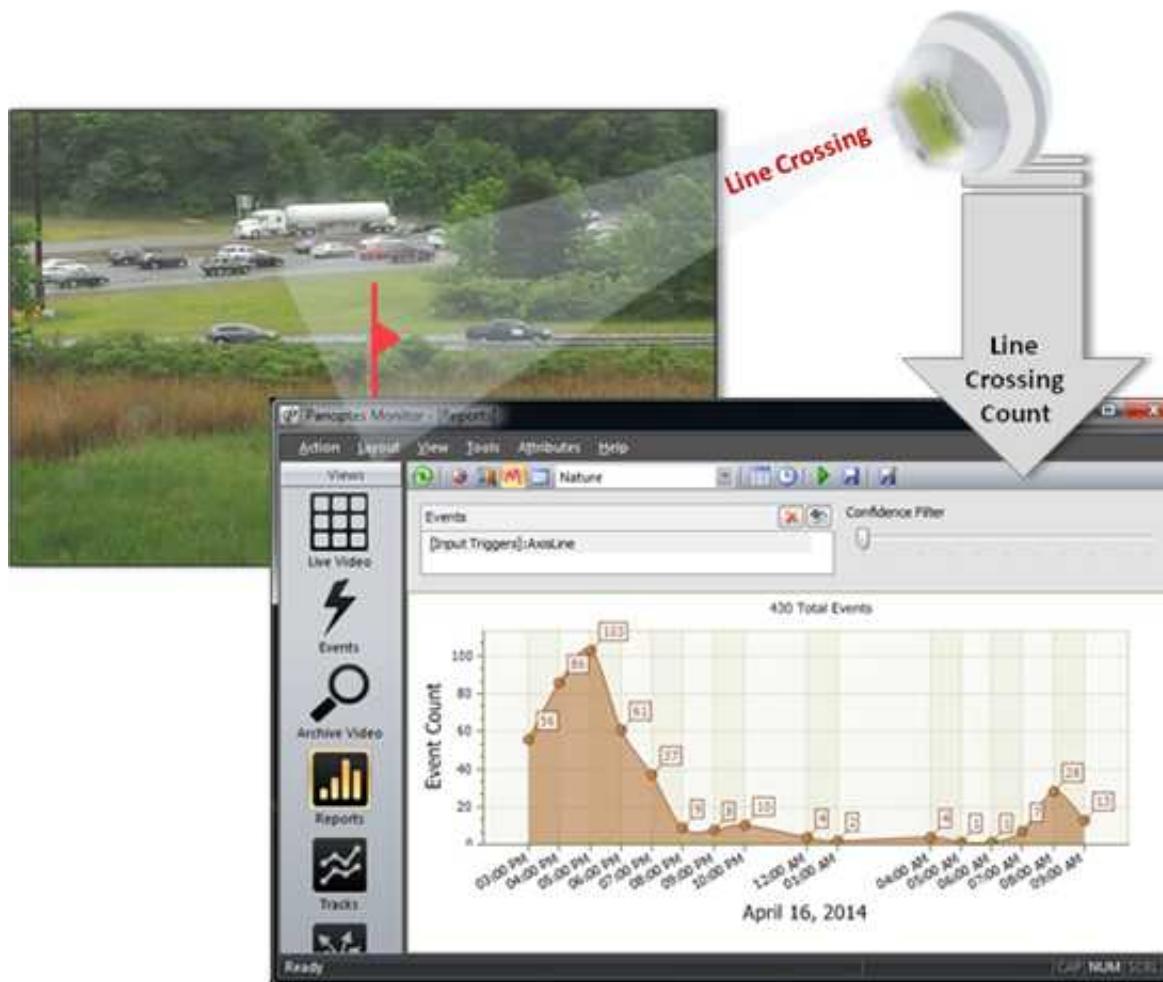
- Figure out a more cost-effective method of testing video analytics software
- Learn a little programming on the side

Video Analytics Software



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

Video Analytics Software (cont.)



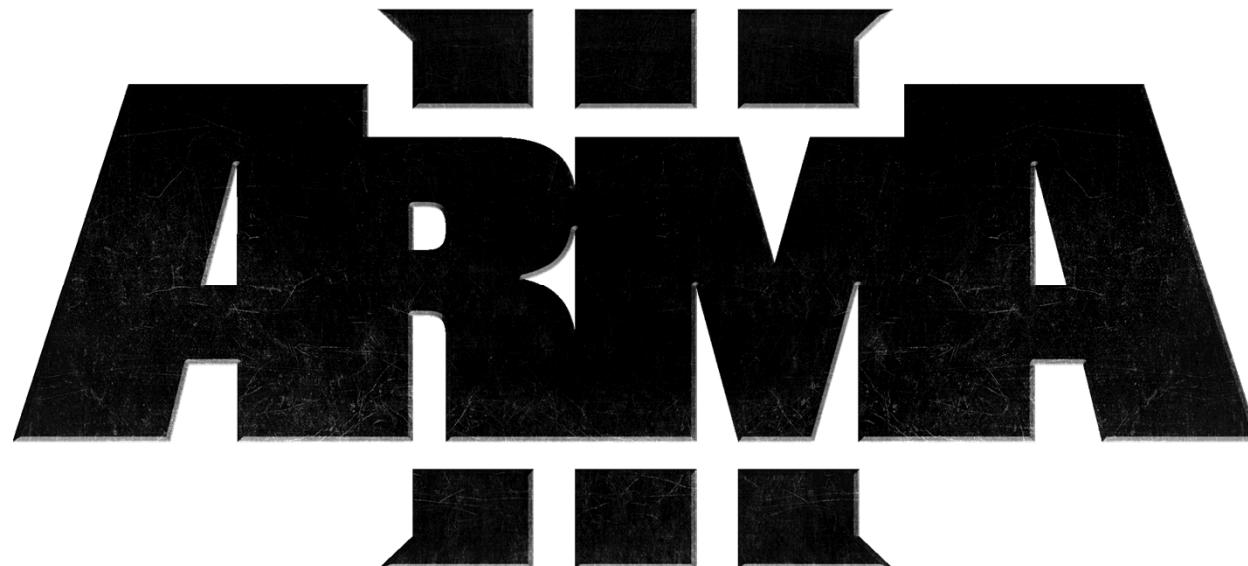
The Problem

- 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



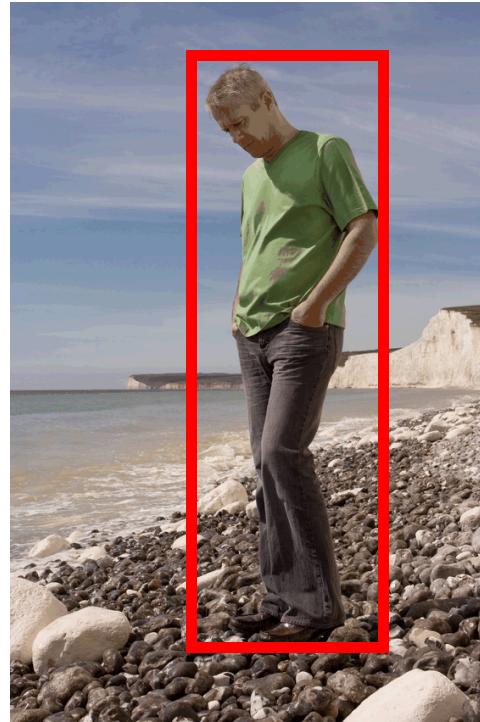
Comparison of Video

Replication



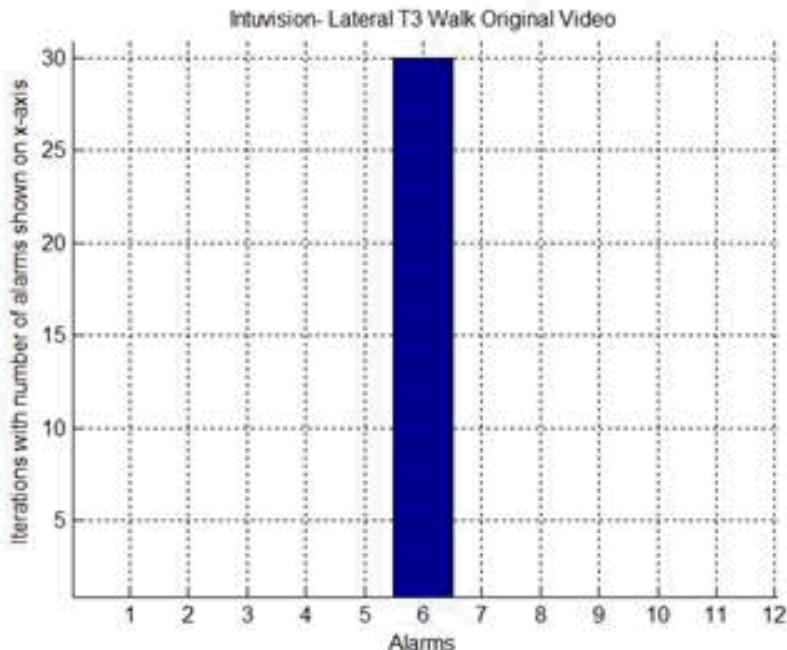
Comparison of Video

Actual Video

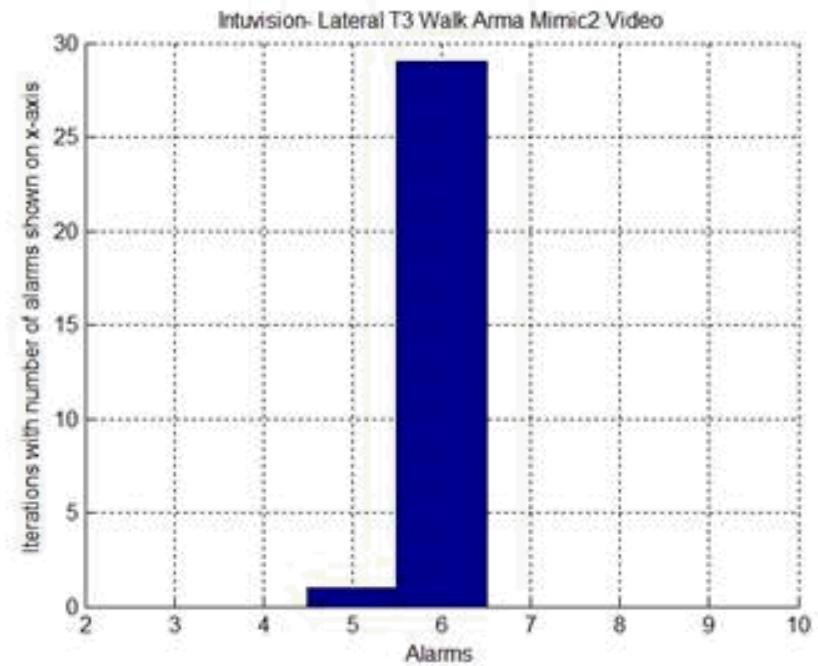


Comparison of Graphs

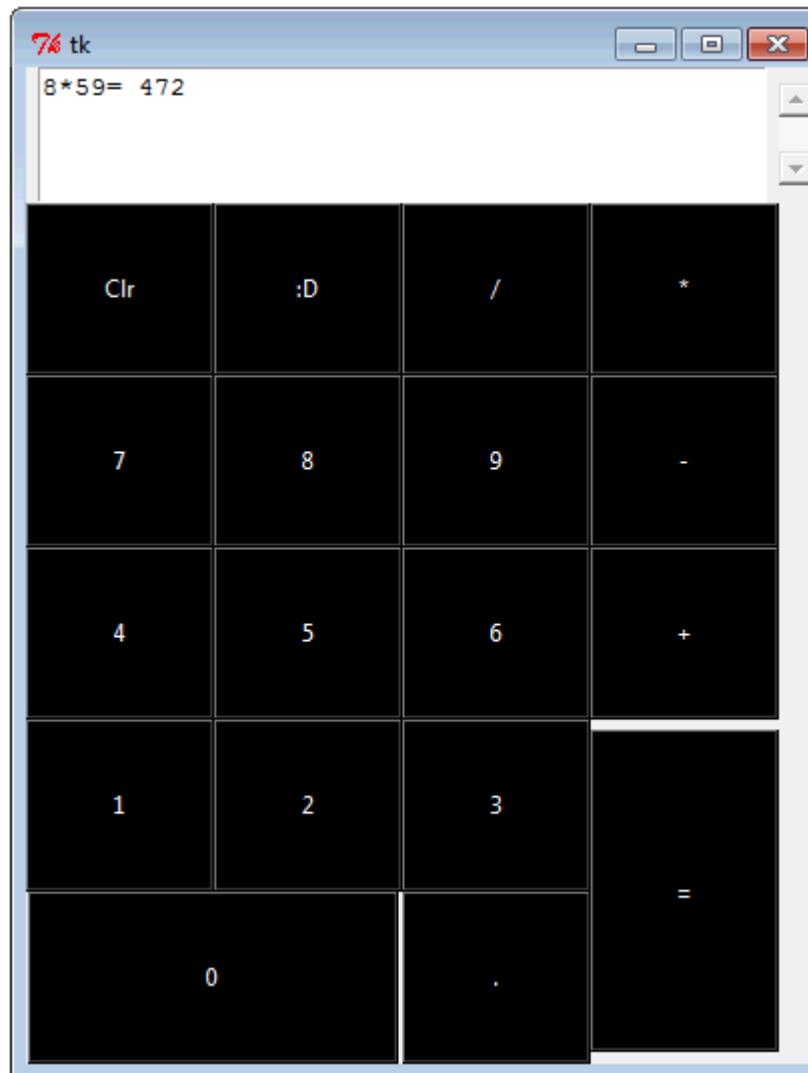
Actual Video



Replication



A Little Programming



Acknowledgements

- Cheryl Garcia
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Questions

