

City Surveillance

Challenge

- Detect people and weapons in an urban environment

Classes & Data

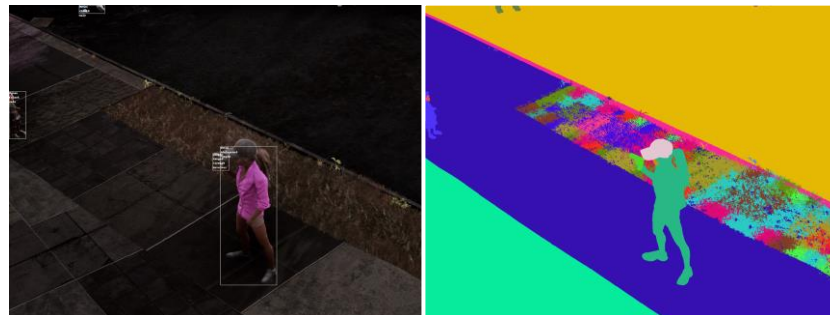
- Small weapons classes
- ~25K synthetic images

Algorithm

- Faster R-CNN

Takeaways

- Synthetic data alone improved results over the real baseline
- Fine tuning the synthetic only model with just 20% of the observed dataset produced a 39% lift in performance over models trained on the observed dataset alone



Weapons Detection

