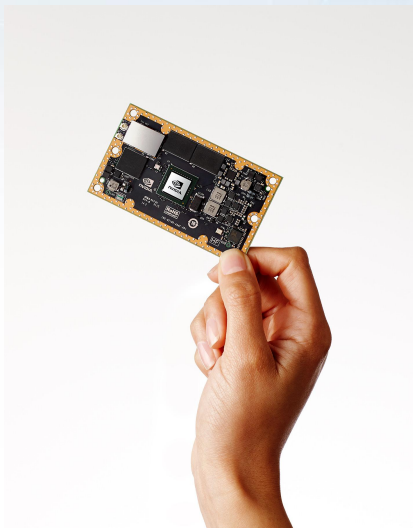# Machine Learning for Self Driving Cars
Pipelines for commodity hardware

How to Build a SDC

CV Pipeline

How much information can we extract from a video frame in real-time?
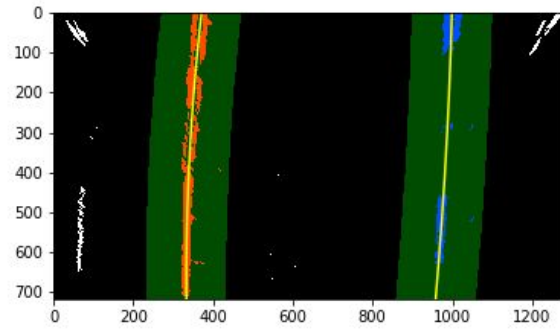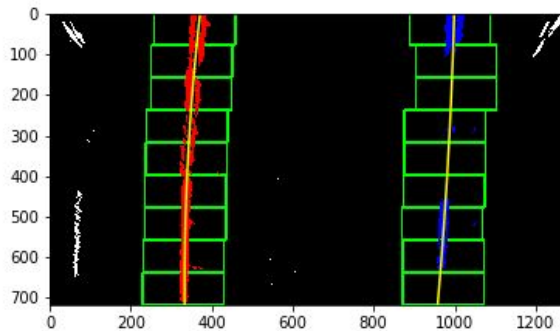
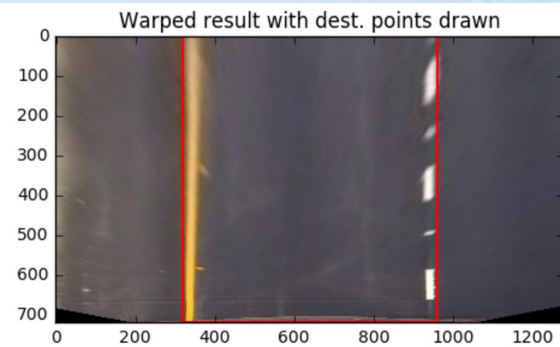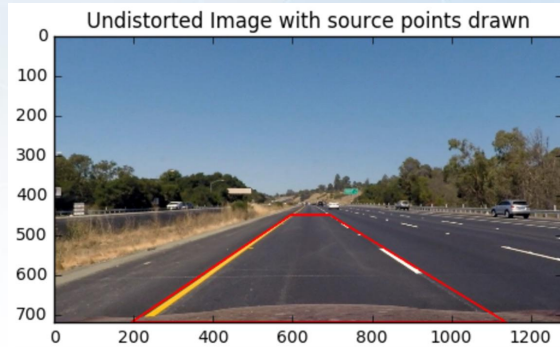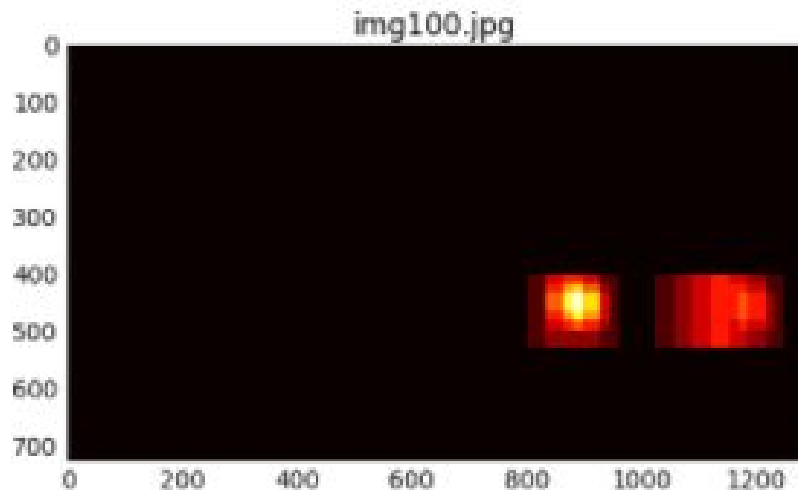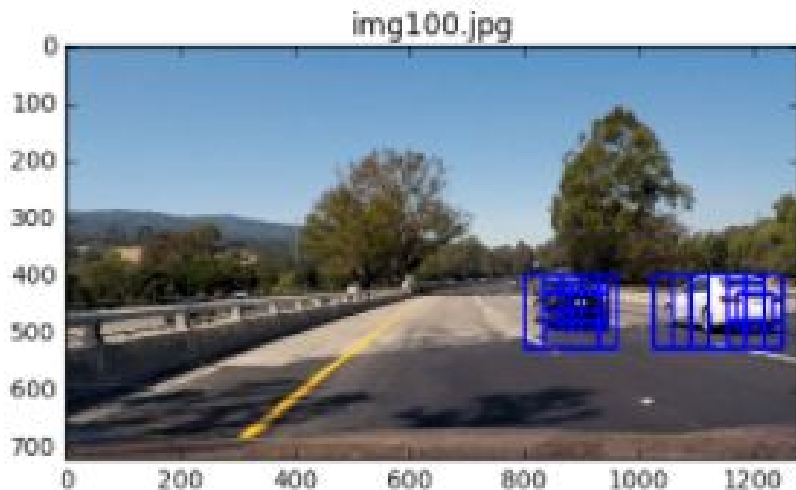|	
1	Lane line detection
2	Vehicle tracking
3	Properties of the road
4	Multiclass detection

Lane Detection
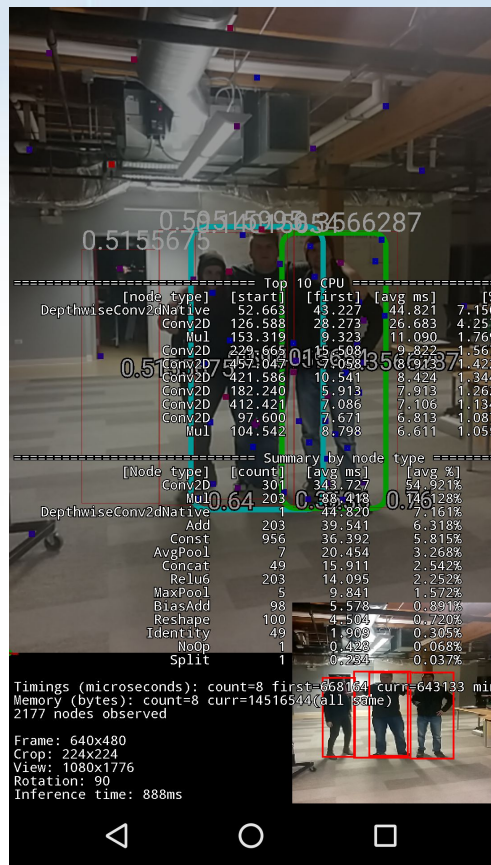
Vehicle Detection & Tracking

Vehicle Detection & Tracking

TensorFlow on Android

This will be a gif of me using my phone to detect cars and people

Thank You

galen.ballew@gmail.com

galenballew.github.io

github.com/galenballew

linkedin.com/in/galenballew

medium.com/@galen.ballew

Resources

- [Routing Multiple Vehicles Cooperatively: Minimizing Road Network Breakdown Probability Paper](#)

- [Radius of curvature](#)

- [KITTI](#)

- [GTI](#)

- [Histogram of Oriented Gradients](#)