Caffe Framework on the Jetson TK1: Using Deep Learning for Real Time Object Detection

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Introduction

- Machine Learning
  - Caffe
- Object Detection
  - Identify object
  - Locate object within the frame
Caffe

• Machine learning framework
  – Developed in UC Berkeley
  – Train and test deep learning algorithms
NVIDIA Jetson TK1

- Weight – 120g
- Size – 5” x 5”
- Power Draw – around 10W
- On board CUDA-based GPU
- 2GB of RAM
NVIDIA Jetson TK1
Implementation Results

After Running Through A Convolutional Neural Network using Caffe
Application Deployment
References

Questions?

Your question here

Harder question here