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
Caffe
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