

ECE571: Advanced Microprocessor Design – Homework 10
Spring 2016

Due: Thursday 21 April 2016, 3:30PM

Create a document that contains the answers to the questions below. A .pdf or .txt file is preferred but I can accept MS Office or Libreoffice format if necessary.

1. Read the following website articles:

- **NVIDIA Announces Jetson TX1 - A Tegra X1 Module & Development Kit**

by Ryan Smith

<http://www.anandtech.com/show/9779/nvidia-announces-jetson-tx1-tegra-x1-module-development-kit>

- **The NVIDIA GeForce GTX 980 Review: Maxwell Mark 2**

by Ryan Smith

<http://www.anandtech.com/show/8526/nvidia-geforce-gtx-980-review>

Note, there are multiple pages to this article, be sure to read at least the first 4 pages (about the Maxwell architecture)

2. Answer the following questions:

- (a) In the Jetson article, what kind of workloads does the author think NVidia is now focusing on?
- (b) Why had NVidia moved to a “mobile first” strategy?
- (c) Name one power optimization that was made in the Maxwell architecture.

3. Submitting your work.

- Create the document containing the answers to the questions asked.
- Please make sure your name appears in the document.
- e-mail the file to me by the homework deadline.